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THE
TEACHER'S WORD BOOK
OF
30,000 WORDS

By
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and
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PREFACE

THIS book is a greatly improved extension of the Thorndike *Teacher's Word Book*, published in 1921, and of the extension of it to include 20,000 words published in 1931. It includes the data of these two counts and also of three other counts of over $4\frac{1}{2}$ million words each. It enables a teacher to know not only the general importance of each word so far as frequency of occurrence measures that, but also its importance in current popular reading for adults, as shown by the Lorge magazine count, and its importance in such juvenile reading as schools and libraries approve.

This extension would not have been possible except for the work of Dr. Irving Lorge on the Lorge-Thorndike semantic count and the Lorge magazine count, and for his generosity in permitting me to use the results. I have also had the benefit of his advice on the general plan. But he is not responsible for the execution of it, or for any errors in the copying of records or the computations. Certain exercises of judgment have been neces-

sary because the recorders of the magazine count began all words with capital letters, and because the recorders of the semantic count did not record contractions like *isn't*, and did not separate different forms of words like *be*, *come*, and *do*, and because the count of juvenile books did not include the top 2,500 of the Thorndike general count. The original Thorndike count failed to record abbreviations adequately, and it is likely the recorders in the other counts skipped many.

This book is not final as a frequency count of English reading. New words will become important. Scientific and other erudite reading matter deserves a separate column, though it has its fair proportion of weight in the original Thorndike count and in the semantic count. A column for the vocabulary of modern fiction, or for new war terms, might be useful. It will be easy for future workers to extend and amend this book by adding counts of $2\frac{1}{4}$, or $4\frac{1}{2}$, or $6\frac{3}{4}$, or 9 million words of any sort.

EDWARD L. THORNDIKE

We acknowledge the generous aid of the Rockefeller Foundation and of the W.P.A.

without which the semantic count and the magazine count could not have been made.

February, 1943

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INTRODUCTION

Part I of this book is a list of words, each followed by a record of the frequency of occurrence of the word in general, and in four different sets of reading matter.

In the first column after the word is a number stating the occurrences per million words. 1 = at least one occurrence per million and not so many as two per million; 2 = at least two per million and not so many as three per million; and similarly up to 49; A = at least 50 per million and not so many as 100 per million; AA = 100 or over per million.

In the other four columns are numbers giving the number of occurrences in approximately $4\frac{1}{2}$ million words of (T) the Thorndike general count of 1931, (L) the Lorge magazine count, (J) the Thorndike count of 120 juvenile books, and (S) the Lorge-Thorndike semantic count. The numbers under T are computations from the Thorndike 1931 data, made as described on page 251. An M in the T column means that the word was one of the 500 commonest by the Thorndike count, and occurred from 800 to 100,000 or more times per $4\frac{1}{2}$ million words. An M in the L column means that the word occurred 1,000 times or more in the Lorge magazine count. The exact number of occurrences is given in Part IV. An M in the J column means that the word occurred 1,000 times or more in the count of 120 juvenile books; an M* means that it probably did. M and M* in the S column mean that the word had 1,000 or more occurrences in the semantic count, surely (M) or by estimate (M*). The exact number when known is given in Part IV.

The starred numbers in the J column are estimates made as described on page 253. Other starred numbers are also estimates.

In some cases where the number of occurrences per million depends very largely upon the extremely frequent use of the word in

one of the counts, it is followed by a question mark or replaced by a question mark, as in the cases of *Adrian*, *Aesir*, and *Agatha*. A question mark in the T, L, J, or S column means that for some special reason no reliable estimate could be made for the count in question.

Regular plurals, comparatives and superlatives, verb forms in *s*, *d*, *ed*, and *ing*, past participles formed by adding *n*, adverbs in *ly* that occur less than once in a million words, and equally rare adjectives formed by adding *n* to names of places are ordinarily counted in under the main word. So are words which have special meanings when capitalized and words usually capitalized which have special meanings when not capitalized. In cases where it seems desirable, a reminder of such inclusion is given by a letter in parenthesis after the word. For example, we have *acropolis* (A), *Bolshevik* (b), and *Albania* (n). Some adjectives in *ing* or *ed* and some nouns in *ing* are entered separately, the word being followed by (adj.) or (n.). For example, we have the main entry

abandon 38 119 150 130 285

and the entry

abandoned (adj.) 3 11 14 12 27

We have

acting (n. adj.) 16 75 78 75* 73.*

But in general participial adjectives and verbal substantives are included under the main word. The general principles followed are: *Every occurrence is counted somewhere. No occurrence is counted twice.*

Certain facts about the inclusion of variant forms and spellings are reported by letters or words in parenthesis. All these will be self-explanatory. Examples are:

abscess (ed) to show that *abscessed* is included,

accoutrements (re) to show that *accoutrements* is included,

adviser (or) to show that *advisor* is included.

The list of Part I includes all words with a total of 18 or more occurrences in the four columns, i.e., of 1 or more occurrences per million words, except that certain rare contractions, proper names, foreign words, and slang words are not entered in the list unless they occur in at least three of the four counts. This avoids cluttering up the list with words of almost no importance and of questionable frequency which happened to be used 18 times or more in some one or two sources. Such words are *Adah*, which occurred 52 times, *Adlerstein*, which occurred 240 times, *Adrienne*, which occurred 52 times, *Alain*, which occurred 36 times, *absolutely*, and *again*.

There are 1,069 AA words occurring 100 or more times per million. There are 952 A words occurring 50 to 99 times per million. The number of words occurring 49, 48, 47, etc., times per million is as shown below:

49	36	37	50	25	85	13	231
48	35	36	62	24	72	12	294
47	33	35	53	23	98	11	316
46	38	34	64	22	110	10	340
45	42	33	55	21	112	9	441
44	38	32	65	20	131	8	522
43	39	31	54	19	132	7	593
42	30	30	74	18	145	6	684
41	40	29	74	17	172	5	890
40	45	28	77	16	188	4	1064
39	41	27	88	15	189	3	1442
38	47	26	76	14	200	2	2503
						1	5209

The total number occurring once or more per million is thus 19,440. There are 9,202 words that occurred less than once per million words but oftener than four times in 18 million words. These are listed in Part II (pages 211 to 242). On pages 242 to 247 are listed 1,358 words from those that occurred four times per 18 million words, making 30,000 in all.

The spelling used for a word that has vari-

ant spellings is usually that which is now commonest in American usage, but occasionally, where the counts have been kept separate for two variant spellings, these have been entered separately. No attempt has been made to conform to the spelling of one dictionary, nor are all variant spellings listed.

The words marked AA are approximately the first thousand for frequency. The words marked A are approximately the second thousand. The words marked 49 to 30 are approximately the third thousand. Those marked 29 to 19 are approximately the fourth thousand. Those marked 18 to 14 are approximately the fifth thousand; those marked 13 to 10 the sixth thousand; and those marked 9 or 8 the seventh thousand, bringing the total for AA down through 8 to 7,055. Those marked 7, 6, 5, or 4 bring the total somewhat past 10,000 (to 10,285).

It is convenient for certain purposes to have a separate list of the 500 words occurring most frequently and of the 500 occurring next most frequently. Such lists are printed in Part V.

HOW TO USE THE LIST

The list tells anyone who wishes to know whether to use a word in writing, speaking, or teaching how common the word is in standard English reading matter.

The first number, which is a summary from all four counts, is the most important and is usually decisive. The numbers in the T, L, J, and S columns may, however, be of great value in certain cases. The T counts emphasized frequency in readers, textbooks, the Bible, and the English classics. The L counts included only recent and popular magazines. The J counts included only books recommended for boys and girls in grades 3 to 8. The S counts used a miscellany of juvenile and adult reading—of old and recent, and of matter-of-fact and imaginative—but omitted school readers and textbooks.

The most important use of the list by a

teacher is in guiding his or her treatment of words that occur in the readers, supplementary readers, textbooks, and other material to be read by a class. A teacher should decide, concerning many words which occur in books or articles to be read by the class, whether to have the class learn the word well enough so that the ability to know the sound and the important meaning or meanings of the word when they see it will be a permanent part of their stock of word knowledge, or merely inform them of its meaning temporarily so that they can understand and enjoy the reading matter in which it occurs.

This book will answer the question wisely for most words for most classes. The word should be taught for permanent knowledge according to the following rules and principles:

In grades 1 and 2. (1) If it is an AA word (except for a few words of interest mainly to adults or too hard for a child in grade 1 or 2 to understand—such as *according*); or (2) if it is a word of great practical service—such as *poison*; or (3) if it is a word well understood by the class when heard and specially useful for learning the phonic equivalent of certain combinations of letters—such as *block*.

In grade 3. The same rule applies here as for grades 1 and 2 except that “if it is an AA word” is replaced by “if it is an AA or A word.”

In grade 4. If it is an AA or A word or a word marked 49, 48, etc., down to 20 (except for a few words of interest only to adults or too hard to understand—such as *administration*) or if it is marked 100 or higher in the J column.

In grades 5 and 6. (1) Any word from AA down to 10, or that is marked 60 or higher in the J column; or (2) any word that is important for local reasons—such as *subway* in or near New York; or (3) any word that concerns important but recent affairs or inventions—such as *Nazi* or *airport*. Words of interest only to adults or too hard for pupils in grades 5 and 6 are, however,

as in grades 1 to 4, to be explained only, not taught for permanent possession. Teachers in grades 5 and 6 may check their judgment about the adultness of a word by comparing its frequency in the L count with its frequency in the J count. For example, *abolish* has 50 in L and 16 in J; *accent* has 117 in L and 23 in J; *adequate* has 95 in L and only 3 in J.

In grades 7 and 8. The same rule applies here as for grades 5 and 6, except that “from AA down to 10” is replaced by “from AA down to 6.”

The procedures described above do not mean that the pupils in a class should learn permanently all the words specified. If a word never occurs in any book or article read by a class, in a given grade, it may be left untaught until it does so occur.

If the course of study has a word list prescribed for a given grade, the presumption is that the words will occur fairly often in the books and articles read in that grade. If they do not, either the list or the reading matter used in the grade should be changed.

In grades 9 to 12. The value set upon widening a pupil's vocabulary versus improving his taste, improving his effectiveness in speech and writing, and various other achievements of the high school teaching of English varies from city to city and from teacher to teacher. Moreover, the method used to widen vocabulary varies from thorough learning of many words to relying mainly upon learning enough on each occasion from context, dictionary, and explanation to serve the needs of that occasion. So we offer no rules like those for grades 1 to 8. Those responsible for the teaching of English should set whatever standards they think best for word knowledge. The responsibility of attaining these standards may, if so desired, be put upon the pupils themselves. Standards may best be set in terms of our list. For example, pupils may be told that they should know the meaning (or the common meanings in the case of words having more than one meaning) of the words down

through 5 by the end of grade 9, through 4 by the end of grade 10, and through 3 by the end of Grade 11; and graduation from senior high school may be made conditional upon knowledge of at least 15,000 words. One or more copies of the word book should be available in each classroom, so that each pupil can find out just how common any word is.

In classes for adults. For adults learning English, who know few or no English words when they see them or when they hear them, use the words in the textbooks of Faucett, West, or others who have used the Thorndike *Teacher's Word Book* of 1921 or later editions.

For adults learning to read, who know the meaning of thousands of words when they hear them, favor those words from AA down to 15 which will facilitate learning the mechanics of reading.

For adults who are improving their knowledge of English for some special purpose, the important thing is to economize time and effort by requiring thorough and permanent knowledge only insofar as it is needed for that special purpose. For example, it may be more important for a soldier whose knowl-

edge of English is being increased in order to make him a better soldier to know the names of parts of a machine-gun or other rare military words than to know certain very common literary words. He ought to understand (1) the words of his trade, (2) the so-called "formal" words like the prepositions, pronouns, conjunctions, auxiliary verbs, and adverbs of time and place, and (3) the names of things, qualities, acts, processes, and events that are part of life in an army or almost anywhere else. In making a list of words of class 2 and class 3, a sound procedure is to take AA words as first choice and A words as second choice, omitting a few that are especially literary. Among the words beginning with *a*, probably the only omissions would be *affect*, *ancient*, *arose*, *artist*, *assume*, *assure*, *attitude*, *aunt*, and *author*. And there would be some gain from learning the words *affect*, *assume*, *assure*, and *attitude*.

Much could be said about the use of the list by lawyers (especially in examining witnesses), preachers, lecturers, writers of textbooks, writers of propaganda and advertisements, and others. But to all such the list may be left to speak for itself.

PART I

List of Words Occurring at Least Once per 1,000,000 Words

	G	T	L	J	S		G	T	L	J	S
a	AA	M	M	M	M	aborigines	1	7	8	5	12
Aaron	2	28	6	5	14	abortive	1	11	1	3	15
aback	2	10	15	11	12	abound	12	90	32	39	59
abandon	38	119	150	130	285	about	AA	M	M	M	M
abandoned (adj.)	3	11	14	12	27	above	AA	M	941	M*	?
abandonment	3	10	16	3	39	Abraham	11	115	47	26	22
abase	1	14	2	0	5	Abram	1	7	0	0	14
abash	3	16	14	24	13	abreast	4	16	17	23	20
abate	7	57	20	20	33	abridge	2	18	0	6	13
abatement	1	10	5	2	4	abridgment	1	11	1	0	9
abbé	3	7	18	0	44	abroad	48	200	198	200*	268
abbess	1	14	3	9	1	abrogate	1	10	0	2	9
abbey	11	57	19	51	83	abrupt	6	27*	43	20	26
abbot	10	38	20	86	41	abruptly	18	30*	232	39	39
Abbott	3	19	11	2	22	Absalom	1	11	6	0	4
abbreviate	1	8	8	0	5	abscess (ed)	1	8	5	1	6
abbreviation	1	12	1	4	7	absence	31	160	163	35	213
abdicate	1	16	4	1	6	absent	31	205	65	205	91
abdication	1	10	3	5	9	absentee	1	10	3	1	4
abdomen	7	28	49	39	18	absently	4	15	46	15	7
abdominal	2	28	16	0	5	absent-minded	1	2	26	3	1
Abe	8	12	119	5	14	absolute	36	123	101	205	234
abed	1	16	6	8	6	absolutely	39	122	314	40	234
Aberdeen	1	16	5	0	6	absolution	1	14	5	3	7
abet	1	7	6	1	6	absolve	4	57	6	4	12
abeyance	1	10	3	0	11	absorb	24	45*	174*	73*	150
abhor	7	115	8	8	12	absorbed (adj.)	3	6*	24*	10*	18*
abhorrence	1	14	1	2	7	absorbent	2	14	19	2	7
abhorrent	1	11	6	3	0	absorbing (adj.)	3	6*	24*	10*	18
abide	22	125	43	93	150	absorption	8	57	20	14	59
ability	49	130	312	108	340	abstain	4	57	2	10	14
abject	4	57	0	7	15	abstinence	2	16	3	6	20
abjure	1	11	2	2	9	abstract	6	40*	10	2	59
ablaze	2	7	15	16	5	abstracted (adj.)	1	8*	5*	1*	5
able	AA	700	930	857*	940	abstractedly	1	2*	16	1	0
able-bodied	1	2	10	9	6	abstraction	2	18	7	6	20
ablution	1	10	3	1	4	abstruse	1	8	4	2	6
ably	1	14	9	3	5	absurd	17	53*	134	46	80
abnormal	5	28	43	1	18	absurdity	5	28	37	10	26
aboard	21	115	121	80	68	absurdly	2	4*	33	3	6
abode	16	130	20	81	63	abundance	23	160	53	79	124
abolish	18	90	50	16	135	abundant	23	160	50	79	126
abolition	7	50	17	12	49	abuse	22	160	62	50	135
abolitionist	1	11	1	2	5	abusive	1	8	7	4	4
abominable	6	57	20	19	14	abyss	5	57	5	29	16
abomination	2	28	2	2	9	Abyssinia	1	2*	2	5	22
aboriginal	2	11	6	5	21	acacia	1	11	4	0	9

	G	T	L	J	S		G	T	L	J	S
academic	7	50	30	0	58	accuracy	11	50	45	42	65
academical	1	10	2	0	8	accurate	14	38*	76	44	99
academician	1	4	2	0	12	accurately	8	19*	55	36	47
academy (A)	17	57	46	47	172	accursed	7	90	8	21	13
accede	1	14	8	2	9	accusation	9	57	44	32	44
accelerate	3	11	18	1	35	accusative	1	14	0	0	8
acceleration	1	7	3	0	13	accuse	26	160	133	47	142
accelerator	1	5	5	0	10	accuser	2	18	6	5	7
accent	16	115	117	23	47	accustom	45	230	191	230*	162
accentuate	3	12	32	1	17	ace	3	16	28	3	17
accept	AA	420	667	420*	732	acetylene	1	10	2	6	0
acceptable	5	28	41	12	23	ache	28	160	203	89	58
acceptance	11	57	58	15	79	achieve	28	115	249	76	168
access	11	90	34	14	66	achievement	23	57	128	54	178
accessible	5	16	32	10	47	Achilles	6	50	1	11	54
accession	5	11	4	11	64	acid	38	57	82	203	354
accessory	8	18	93	4	39	acidity	1	12	7	8	2
accident	A	230	399	230*	275	acknowledge	24	130	116	69	133
accidental	7	37*	38	16	39	acknowledgment	3	18	16	0	35
accidentally	4	20*	29	11	23	acme	1	12	10	2	4
acclaim	5	12	25	17	35	aconite	1	12	0	1	8
acclamation	2	16	0	3	18	acorn	10	90	10	68	19
accolade	1	1	11	7	1	acquaint	32	160	27	131	262
accommodate	11	82*	36	21	65	acquaintance	46	230	198	230*	178
accommodating						acquiesce	3	16	14	6	29
(adj.)	1	8*	6	5	6	acquiescence	2	18	9	4	15
accommodation	9	57	33	21	64	acquire	46	160	221	115	338
accompaniment	7	16	54	25	32	acquisition	4	18	8	12	45
accompany	A	290	64	290*	326	acquit	6	28	30	16	42
accomplice	2	18	4	9	7	acquittal	1	8	4	2	9
accomplish	A	231	224	231*	295	acre	A	290	207	290*	373
accomplished(adj.)	6	29*	28*	29*	36	Acre	2	12*	0	12*	16
accomplishment	11	57	56	40	56	acreage	4	14	51	2	10
accord	24	130	68	25	218	acrid	2	16	16	6	5
accordance	11	57	25	20	101	acrobat	1	4	10	11	2
according	AA	430	385	400*	M	acropolis (A)	2	5	5	5	29
accordingly	26	160	61	96*	167*	across	AA	M	M	M*	M
accordion	1	7	10	1	2	act	AA	M	926	M*	M
accost	2	18	7	9	6	acting (n. adj.)	16	75	78	75*	73
account	AA	696	660	700*	962	action	AA	310	464	310*	M
accountable	1	14*	5	4	11	active	A	189	186	189*	338
accountant	2	16	18	0	5	actively	5	21	16	21*	44
accounterments(re)	1	4	2	8	8	activity	A	57	325	76	477
accredit	1	10	2	4	11	actor	28	90	240	20	163
accrue	2	14	10	2	13	actress	13	14	166	5	65
accumulate	17	50	84	59	113	actual	A	140*	246	140*	380
accumulation	5	16	18	11	50	actuality	1	3	9	0	9

	G	T	L	J	S		G	T	L	J	S
actually	A	120*	629	120*	371	administer	12	57	50	33	90
actuate	2	11	0	4	28	administration	49	90	185	59	558
acute	12	57	83	14	64	administrative	7	10	17	15	98
ad	2	4	27	4	4	administrator	4	18	19	0	39
A.D.	1	16	10	1	8	admirable	10	40	35	27	85
adage	1	16	10	1	8	admirably	4	17	22	22	18
Adam	10	90	37	32	38	admiral	20	90	31	40	206
adamant	2	18	14	1	4	admiralty	2	11	9	6	22
adamantine	1	12	1	4	3	admiration	29	130	166	87	155
Adams	8	16	47	24	72	admire	A	310	257	310*	140
adapt	20	50	80	91	151	admirer	6	40*	19	18	47
adaptability	1	5	11	5	4	admiringly	1	10*	19	0	4
adaptable	2	4	25	2	6	admission	15	90	70	16	111
adaptation	6	50	19	3	39	admit	AA	280	793	280*	574
add	AA	M	M	M	M	admittance	1	18	5	4	4
adder	2	28	1	6	4	admittedly	1	2	14	0	11
addict	2	8	18	1	10	admixture	1	11	0	1	15
addicted	2	7	18	6	15	admonish	5	57	21	11	13
addiction	1	1	8	0	14	admonition	3	18	16	7	20
Addison	1	16	5	0	10	ado	9	50	3	36	84
addition	A	240	245	240*	405	adobe	2	4	27	5	1
additional	25	88*	106	27	239	adolescence	1	7	18	0	2
address	A	400	507	400*	431	adolescent	2	4	32	0	8
adduce	1	8	0	3	15	Adonis	1	14	4	0	2
Adelaide	1	7	2	7	2	adopt	A	200	199	200*	580
adenoids	1	11	4	8	0	adoption	12	90	45	10	85
adept	1	7*	9	8	6	adorable	3	4	47	5	2
adequate	15	40*	95	3	135	adoration	4	18	33	6	18
adequately	3	10*	36	2	21	adore	20	130	197	15	32
adhere	7	50	17	9	56	adorn	17	130	26	57	94
adherence	2	6	11	5	24	adornment	3	14	7	23	10
adherent	4	12	17	5	38	adown	1	8	1	4	8
adhesion	1	14	6	1	12	Adrian	7	4	165	2	2
adhesive	1	11	6	1	13	Adriatic	2	28	1	8	6
adieu	5	57	5	15	20	adrift	1	14	4	14	3
Adirondack(s)	2	11	4	13	14	adroit	1	11*	11	4	9
adjacent	9	57	28	15	66	adroitly	1	5*	8	2	3
adjective	5	50	22	6	23	adulation	1	11	8	0	9
adjoin	13	90	54	31	66	adult	16	50	125	22	101
adjourn	15	28	24	14	24	adulterate	1	14	1	1	6
adjournment	1	10	4	7	8	adulteration	1	8	2	0	8
adjudge	1	16	2	6	9	adultery	2	18	6	0	13
adjunct	1	18	6	0	11	advance	AA	358*	452*	468*	732
adjure	1	14	2	3	4	advanced (adj.)	11	42*	52*	42*	85
adjust	18	57	127	44	112	advancement	6	57	23	14	29
adjuster	1	1	18	0	0	advantage	A	350	404	350*	556
adjustment	13	50	63	9	114	advantageous	4	16	20	8	34

advent to august

	G	T	L	J	S		G	T	L	J	S
advent (A)	6	28	33	13	45	affliction	4	19	20	14	24
adventitious	1	11	2	7	1	affluence	1	8	6	0	8
adventure	A	160	277	483	413	affluent	2	8	11	3	16
adventurer	6	18	23	38	43	afford	A	200	393	200*	385
adventurous	9	57	39	35	38	affray	1	8	0	3	11
adversary	7	57	9	21	49	affright	5	90	1	14	3
adverse	6	49*	14	4	53	affront	4	18	15	15	35
adversely	1	8*	5	0	7	Afghanistan	2	11	0	0	26
adversity	5	57	14	6	27	afield	3	11	12	25	8
advertise	12	41	84	29	79	afire	2	18	10	7	5
advertisement	11	57	70	22	66	aflame	1	2	9	10	2
advertiser	2	3	24	1	21	afloat	5	57	10	16	23
advertising (n.)	20	49	211	12	95	afoot	5	18	14	45	27
advice	A	250	351	250*	279	afore	9	14	13	27	110
advisable	5	16	33	12	29	aforesaid	3	11	6	37	2
advise	49	241	214	241*	188	aforetime	2	3	2	29	15
adviser(or)	10	50	44	27	75	afraid	AA	700	958	700*	232
advisory	2	10	14	1	22	afresh	3	14	24	14	6
advocacy	1	5	1	1	14	Africa	34	200	122	200*	102
advocate	20	57	62	16	228	African	7	40	21	40	25
Aegean	1	11	0	6	10	aft	4	11	21	28	24
Aeneas	1	16	0	5	2	after	AA	M	M	M	M
Aeolus	1	11	0	7	0	aftermath	1	5	11	0	10
aerial	9	57	24	22	67	afternoon	AA	700	M	0	283
aeroplane	10	10	10	20	149	afterthought	1	8	10	1	6
Aesir	4?	2	0	82	0	afterward	47	160*	330	160*	205
aesthetic	2	14	16	0	12	afterwards	44	230*	44	230*	302
afar	10	90	14	36	40	again	AA	M	M	M	M
afear'd (afeared)	2	6	4	16	14	against	AA	M	M	M	M
affability	1	8	2	5	5	Agamemnon	2	16	0	7	28
affable	3	18	25	3	11	agape	1	14	0	7	5
affair	AA	290	651	290*	758	Agassiz	4	5	0	53	26
affect	A	211	179	215*	370	agate	2	14	7	15	5
affected (adj.)	4*	?	?	?	47	Agatha	5?	8	82	2	2
affectation	3	28	19	1	11	age	AA	700	M	700*	M
affection	37	160	220	133	162	aged	12	57	69	56	43
affectionate	12	69	52	56	52	agency	32	90	195	31	266
affectionately	3	21*	20	13	14	agent	40	115	209	77	428
affidavit	1	11	2	1	4	aggravate	6	57	11	12	38
affiliate	2	12	11	4	24	aggregate	7	12	16	16	99
affiliation	1	6	9	0	16	aggregation	2	11	3	2	24
affinity	5	28	10	5	47	aggression	3	8	9	7	36
affirm	10	90	16	5	81	aggressive	7	28	43	12	51
affirmation	1	10	2	3	6	aggressiveness	1	2	11	1	5
affirmative	3	16	15	7	20	aggressor	1	11	7	1	7
affix	2	11	6	4	15	aggrieve	2	16	9	2	13
afflict	9	90	27	13	32	aghast	4	16	31	21	8

	G	T	L	J	S		G	T	L	J	S
agile	3	14	15	23	12	Aladdin	12	18	7	196	0
agility	2	10	12	17	3	Alan	?	0	276	36	8
agitate	9	57	32	34	45	alarm	A	245	224	245*	254
agitation	12	57	34	23	105	alas	33	220	41	220*	129
agitator	4	16	5	1	63	Alaska	12	25*	57	58	82
aglow	1	8	11	5	7	Alaskan	1	3*	14	3	8
Agnes	8?	6	123	16	10	Alba Longa	1	0	3	0	15
ago	AA	700	M	700*	988	Alban	1	0	0	0	0
agonize	5	14	54	16	12	Albania (n)	2	7	15	0	18
agony	24	130	181	69	67	Albany	11	90	17	37	56
agrarian	1	6	4	0	12	albatross	1	11	4	3	2
agree	AA	420	729	420*	672	albeit	5	18	5	35	22
agreeable	16	136*	58	46	63	Albermarle	3?	7	0	2	60
agreeably	3	24*	15	3	13	Albert	13	57	86	15	80
agreement	31	90	143	42	296	albino	1	6	1	2	11
agricultural	19	115	85	21	134	Albion	1	14	1	4	6
agriculture	41	210	139	210*	189	album	2	18	17	5	4
aground	1	7	5	3	5	Albuquerque	1	2	5	3	12
ague	2	14	2	15	6	alcalde	1	2	21	2	5
ah	A	350	241	350*	246	Alcestis	1	3	0	20	0
aha	4	14	34	23	11	alchemist	1	11	2	2	5
ahead	A	160	667	262	230	alcohol	15	57	72	12	144
aid	A	420	310	420*	631	alcoholic	8	57	3	0	85
aide	2	1	15	22	14	Alcott	1	0	4	21	2
aide-de-camp	2	6	1	6	38	alcove	3	16	34	7	2
ail	5	57	13	14	22	alder	8	18	0	123	6
ailment	5	50	25	14	7	alderman	6	57	12	14	25
aim	A	290	110	290*	277	ale	13	57	28	117	32
aimless	1	3	14	4	5	Alençon	1	7	0	12	0
ain't	A	14	737	66	?	alert	14	46*	94	77	48
air	AA	M	968	M*	?	alertly	1	4*	12	4	0
aircraft	2	4	17	0	28	alertness	1	5	11	7	7
Airedale	1	10	9	0	1	Alexander	19	90	50	33	170
airily	1	14*	12	0	3	Alexandria(n)	7	14	11	17	94
air line	2	1	32	1	2	alfalfa	4	57	11	9	4
airplane	16	1	257	4	32	Alfred	11	57	22	77	46
airport	3	0	50	0	10	algae	1	18	0	1	6
airship	5	7	31	5	50	algebra	3	28	4	10	16
airtight	1	6	11	2	12	Algeria	1	6*	3	0	20
airy	8	76*	30	20	27	Algerian	1	6*	7	1	20
aisle	12	90	72	31	29	Algiers	2	12	12	3	14
ajar	2	10	23	10	7	Algonquin	1	3	0	24	6
akin	4	28	18	14	28	Ali	1	6	0	1	18
Alabama	8	55*	30	11	58	alias	1	8	11	4	3
alabaster	3	28	10	8	12	alibi	3	8	44	0	6
alack	1	8	2	12	8	Alice	34	160	366	72	16
alacrity	1	14	7	6	4	alien	13	57	46	33	122

	G	T	L	J	S
alienate	2	16	8	0	22
alienation	1	8	8	0	7
alight	19	90	40	127	85
align (aline)	1	0	1	2	22
alignment(ine)	1	6	5	0	9
alike	43	245	114	245*	176
alimentary	1	12	1	5	9
alimony	1	3	20	0	0
alive	A	360	304	360*	213
alkali	3	18	8	8	36
alkaline	2	28	9	3	6
alkaloid	1	14	1	0	7
all	AA	M	M	M	M
Allah	1	4	2	16	0
Allan	4?	7	4	0	70
allay	5	50	12	9	28
allegation	1	10	4	2	17
allege	12	57	44	11	119
Alleghanies	3	8*	3	23	20
Allegheny	2	6*	2	15	14
allegiance	10	90	12	26	64
allegorical	1	10	0	3	6
allegory	1	14	0	1	13
Allen	10	12	91	29	56
alleviate	1	10	7	2	14
alley	13	90	75	33	42
alleyway	1	0	19	7	2
alliance	15	57	23	25	177
allied	17	57	45	19	189
allies	10	0	15	10	158
alligator	6	57	44	6	14
allot	7	50	28	27	30
allotment	2	11	15	1	24
allow	AA	700	690	700*	751
allowable	1	14	3	4	6
allowance	15	57	128	28	69
alloy	4	12	5	22	41
all-round	1	5*	16	1	8
allude	6	57	9	8	39
allure	4	37*	25*	4	17
allurement	3	50	9	3	5
alluring	6	53*	36*	3	24
allusion	7	57	14	15	41
alluvial	2	14	1	4	18
ally	23	50	30	58	283
Alma	2	7	27	9	0
almanac	5	50	10	11	26

	G	T	L	J	S
almighty	8	90	16	11	43
almond	8	57	63	9	19
almost	AA	M	M	M	M
alms	6	90	2	10	13
almshouse	1	10	2	3	5
aloes	1	12	1	1	4
aloft	9	57	35	49	37
alone	AA	M	M	M*	M
along	AA	M	M	M	M
alongside	12	50	68	45	58
Alonzo (so)	1	8	6	3	12
aloof	7	57	46	12	28
aloofness	1	2	10	2	8
aloud	39	230	151	230*	93
alpha	1	4	3	3	14
alphabet	7	50	9	40	41
alphabetical	1	12	5	5	11
alpine	5	50	15	1	25
Alps	7	57	12	20	43
already	AA	700	M	M*	M
also	AA	M	M	M	M
altar	22	160	58	98	92
alter	26	160	90	74	148
alteration	6	57	11	13	44
altercation	1	10	7	3	5
alternate	11	36	54	34	78
alternately	6	22	37	30	35
alternation	2	14	5	1	19
alternative	9	28	36	13	92
although	AA	700	779	700*	615
altitude	14	57	53	20	126
alto	1	7	7	3	10
altogether	40	160	165	160*	239
altruistic	1	7	9	0	9
aluminum	6	18	40	17	35
alumni	3	12	34	0	20
Alva	1	3	15	4	2
always	AA	M	M	M	M
am	AA	M	M	M	M
A.M. (a.m.)	2	12	21	3	16
amain	3	57	1	0	3
amalgamate	2	10	13	4	11
amass	2	16	9	4	13
amateur	14	28	111	5	114
amaze	20	86*	139	69	69
amazement	19	90	135	77	41
amazing	17	70*	133	23	80

	G	T	L	J	S
amazingly	3	4*	47	0	12
amazon	5	57	9	14	14
ambassador	21	90	76	62	161
amber	9	90	33	18	35
ambiguity	1	12	0	0	7
ambiguous	1	14	3	0	4
ambition	42	200	218	200*	155
ambitious	10	115	50	40	82
amble	3	12	13	19	12
ambrosia	1	14	5	8	2
ambrosial	1	11	2	3	3
ambulance	8	16	90	7	32
ambuscade	1	10	0	7	2
ambush	5	50	13	25	13
ameer	1	1	0	0	18
Amelia	9?	12	26	139	0
ameliorate	1	20	1	1	4
amen	5	57	7	13	13
amenable	1	10	2	7	10
amend	7	61*	27	6	45
amendment	26	130	29	15	300
amends	3	29*	9	10	17
amenity	1	4	11	3	13
America	AA	430	734	430*	950*
American	AA	700	M	M	M
Americanism	2	4	7	0	28
Americanization	1	7	9	1	13
Americanize	1	2	3	3	17
amethyst	2	12	15	8	5
amiable	8	48*	39	20	39
amiably	1	9*	0	4	14
amicable	2	18	12	3	10
amid	23	90	58	141	133
amidships	1	6	22	3	3
amidst	6	28	10	35	36
amiss	6	57	9	24	29
amity	2	14	3	5	15
Ammon	?	18	1	1	0
ammonia	5	28	9	27	41
ammonium	1	11	0	1	14
ammunition	9	57	24	35	46
amnesty	1	10	1	4	17
among	AA	M	M	M*	?
amongst	13	57	18	76	84
amorous	1	13*	4	6	10
amorphous	1	6	2	8	7
Amos	1	14	8	1	0

	G	T	L	J	S
amount	AA	700	662	700*	996
amour	1	12	10	0	5
amphibian	1	12	6	7	4
amphibious	1	8	1	9	4
amphitheater	2	11	9	3	16
ample	22	160	94	38	109
amplifier	1	2	1	0	17
amplify	2	11	13	0	15
amplitude	1	12	0	1	7
amply	2	11	16	4	14
amputate	1	4	14	5	6
Amsterdam	10	57	5	35	96
amuse	27	88*	205	113	83
amusement	22	90	137	95	91
amusing	12	42*	105	32	40
Amy	?	16	251	2	6
an	AA	M	M	M	M
anaesthetic	1	5	14	0	16
analogous	2	12	1	3	22
analogy	3	11	8	5	40
analysis	14	50	63	4	152
analytic	1	10	1	0	7
analytical	1	10	7	0	11
analyze	11	57	80	9	56
anarchist	2	16	3	1	19
anarchy	4	28	6	6	44
anathema	1	12	4	0	7
anatomical	1	8	3	6	14
anatomist	1	10	1	2	9
anatomy	7	57	12	10	54
ancestor	22	130	66	94	116
ancestral	5	50	12	5	38
ancestry	2	16	16	0	17
anchor	26	160	76	143	99
anchorage	3	18	8	10	29
anchovy	1	4	17	3	1
ancient	A	320	228	320*	672
and	AA	M	M	M	M
Andalusia	1	12	1	2	8
Anderson	8	16	53	34	42
Andes	2	28	9	4	10
andirons	1	10	4	2	2
André	2	2	22	6	16
Andrew	8	56	28	14	50
Andrews	8	59*	67	25	6
Andromeda	2	3	0	20	14
anecdote	7	57	27	10	37

anemone to antithesis

	G	T	L	J	S		G	T	L	J	S
anemone	5	10	8	60	26	annually	10	44*	33	44*	67
anesthetic	1	18	9	0	0	annuity	2	8	20	2	9
anew	7	57	20	27	39	annul	2	14	14	2	20
angel	47	350	140	170*	200	annum	1	8	0	2	23
angelic	3	50	9	4	4	anoint	5	57	8	10	18
angelica (A)	?	4	1	33	0	anomalous	1	8	1	1	13
Angelo	1	3	3	16	6	anomaly	1	11	5	0	8
anger	A	310	234	310*	119	anon	22	90	0	137	169
angle	30	113	158	94	189	anonymous	4	11	25	5	37
angler	2	12	10	3	14	another	AA	M	M	M	M
Anglican	1	3	1	0	22	answer	AA	M	M	M	M
angling	1	2*	6	4	10	answerable	1	11	3	5	4
Anglo-Saxon	4	10	13	9	44	ant	38	130	30	437	87
angrily	11	14	97	80	8	antagonism	3	10	16	1	31
angry	A	420	321	420*	155	antagonist	8	16	5	101	33
anguish	12	77*	60	38	53	antagonistic	1	8	8	2	13
angular	3	18	12	11	17	antagonize	1	6	18	0	10
Angus	6	11	42	0	60	antarctic (A)	3	16	3	22	23
aniline	1	4	0	1	19	antecedent	2	16	3	2	18
animal	AA	700	377	700*	849	antedate	1	10	5	1	4
animate	4	29*	16	3	35	antelope	7	12	49	57	23
animated	4	28*	17	8	31	antenna(ae)	3	11	2	35	20
animation	3	11	23	6	17	anterior	3	28	0	0	34
animosity	4	28	17	5	25	anteroom	2	8	9	12	23
Anjou	2	11	0	7	20	anthem	4	50	9	13	10
ankle	21	130	138	75	43	anther	3	50	5	4	7
Ann	11	57	139	11	6	ant hill	3	0	2	56	4
Anna	15	90	150	34	0	anthology	1	6	2	1	9
annal(s)	6	50	15	10	42	Anthony	5	28	9	31	23*
annalist	1	7	1	0	13	anthracite	5	28	1	9	66
Annapolis	1	6	11	8	0	anthropologist	1	4	10	2	2
Anne	23	115	187	88	38	anthropology	1	6	10	1	3
anneal	1	5	1	17	1	anti	3	18	8	27	6
Annette	?	2	58	0	2	anticipate	14	57	87	26	96
annex	6	57	7	6	49	anticipation	8	50	45	25	27
annexation	2	16	0	4	24	antics	3	17	17	15	11
Annie	8	28	40	15	74	antidote	2	28	7	1	13
annihilate	5	28	18	19	30	antimony	1	4	0	10	6
annihilation	2	10	3	9	15	Antioch	1	18	3	0	?
anniversary	9	90	40	7	35	antipathy	2	14	7	9	13
announce	A	90	350	97	379	antiquarian	1	11	3	1	6
announcement	11	57	63	23	71	antiquary	1	8	0	1	21
announcer	1	0	20	0	11	antiquated	2	14	9	1	14
annoy	16	70*	148	40	44	antique	9	57	68	8	29
annoyance	7	16	52	27	32	antiquity	8	51*	7	24	72*
annoying	4	20*	40	10	12	antiseptic	2	15*	8	0	13
annual	44	186*	175	186	248	antithesis	1	8	4	0	14

	G	T	L	J	S
antitoxin	3	50	4	0	4
antitrust	1	2	21	0	0
antler	5	5*	3	72	14
Antoinette	1	5	8	12	8*
Antonio	2	14	5	5	11*
Antony	1	18	2	2	7*
Antwerp	4	50	2	9	20*
anvil	7	57	5	71	10
anxiety	22	50	122	119	112
anxious	48	213	237	213*	203
anxiously	10	32	102	32	31
any	AA	M	M	M	M
anybody	A	160	506	83	204
anyhow	26	57	309	35	70
anyone	A	160	619	93	290*
anything	AA	700	M	772*	843
anyway	A	115	679	62	111
anywhere	34	115	336	99	79
apace	3	50	3	6	12
Apache	1	2	12	4	1
apart	A	340	276	340*	280
apartment	49	90	531	85	185
apathetic	1	8	6	2	6
apathy	3	28	13	3	20
ape	6	57	9	23	30
Apennines	1	11	0	3	5
aperture	5	50	17	4	25
apex	2	13	9	5	12
aphorism	1	8	2	3	12
Aphrodite	1	4	2	23	1
apiece	8	90	39	6	14
apocalypse	1?	10	2	0	10
Apollo	21	50	5	236	88
apologetic	3	8	25	7	14
apologetically	1	2	24	2	4
apologize	7	14	100	6	20
apology	8	57	63	16	20
apoplexy	1	12	4	1	6
apostate	1	10	1	0	21
apostle	6	28	13	22	56
apostolic	1	18	0	1	13
apothecary	2	18	3	5	10
Appalachian	1	9	2	5	6
Appalachians	2	19	1	8	18
appall	5	53*	27	12	15
appalling (adj.)	6	4	42	16	50
apparatus	18	57	47	50	176

	G	T	L	J	S
apparel	11	90	60	14	37
apparent	26	40	95	73	265
apparently	A	75	355	192	329
apparition	3	28	13	10	15
appeal	A	220*	392	220*	373
appealingly	1	5*	8	5	0
appear	AA	700	M	700*	M
appearance	A	270	426	270*	495
appease	6	57	14	20	23
appellation	1	12	2	4	13
append	1	10	4	2	16
appendage	3	28	3	18	13
appendicitis	1	14	6	0	2
appendix	6	50	29	0	32
appertain	2	18	0	12	10
appetite	24	160	106	99	76
appetizer	1	1	16	1	1
appetizing	1	4	20	7	3
applaud	8	57	34	31	37
applause	13	90	87	30	41
apple	A	M	220	500	?
applesauce	1	7*	12	10	0
appliance	7	28	43	24	32
applicable	3	11	15	2	41
applicant	5	18	41	8	29
application	32	160	126	48	257
applied	4	14	20*	14	27
apply	A	296	250	296*	581
appoint	A	330	151	330*	480
appointment	26	115	131	47	186
apportion	1	10	7	3	12
apportionment	1	11	2	0	20
appraisal	3	18	15	1	21
appraise	4	18	40	0	14
appreciable	4	17	15	9	37
appreciate	28	90	215	72	129
appreciation	15	50	108	27	95
appreciative	3	11	37	8	11
apprehend	7	57	17	8	56
apprehension	11	57	57	23	64
apprehensive	3	13*	23	7	25
apprehensively	1	5*	16	5	1
apprentice	9	28	19	60	55
apprenticeship	3	16	15	6	32
apprise	2	10*	7	2*	17*
approach	A	380	460	380*	533
approbation	3	28	8	7	17

appropriate to Arkwright

	G	T	L	J	S		G	T	L	J	S
appropriate	18	53	110	51	115	arched	4	29	11	29*	16
appropriately	1	4	6	4	13	archer	11	50	68	54	35
appropriation	8	50	23	9	71	archery	2	11	4	14	15
approval	14	57	108	44	58	Archibald	1	6	20	0	6
approve	47	240	171	240*	205	Archimedes	1	14	1	1	2
approvingly	1	10	12	10	1	archipelago	3	11	9	11	28
approximate	5	17	28	4	51	architect	14	57	102	38	70
approximately	13	40	84	9	102	architectural	6	26	50	6	29
approximation	1	11	1	1	8	architecture	14	57	56	33	110
appurtenance	1	8	5	2	3	archives	2	10	2	9	26
apricot	6	28	76	6	8	archon	1	3	0	0	15
April	A	340	297	340*	473	archway	1	14	6	8	4
apron	17	160	82	36	34	arctic	15	90	20	73	93
apropos	1	10	4	0	4	Arden	1	7	4	4	6
apt	22	83	132	62	123	ardent	9	41	46	27	59
aptitude	2	11	12	9	18	ardently	2	9	11	6	13
aptly	1	7	7	3	16	ardor (our)	7	50	33	25	35
aquarium	2	14	13	18	5	arduous	5	28	24	11	29
aquatic	2	12	1	7	21	are	AA	M	M	M	M
aqueduct	2	14	4	3	31	area	A	220	215	220*	635
aqueous	1	11	0	0	17	arena	6	11	20	47	31
aquiline	1	8	2	9	3	aren't	34	28	431	55	100*
Aquitaine	1	12	0	9	2	Argentina	6	57	15	3	36
Arab	11	57	43	23	77	Argentine	6	57	10	2	41
Arabella	1	12	14	3	0	Argo	1	7	4	8	0
Arabia	9	90	16	23	38	Argonne	1	6	11	0	14
Arabian	2	25*	0	1	21	Argos	2	2	0	25	10
Arabic	2	5	6	8	28	argue	33	90	244	37	223
arable	1	2	4	12	7	argument	48	160	255	81	373
Aragon	1	14	1	1	16	Argus	2	8	4	31	6
arbiter	1	16	3	0	13	Ariadne	1	7	0	18	2
arbitrarily	1	2	1	1	20	arid	4	16	4	26	31
arbitrary	6	50	14	4	55	Ariel	6	18	101	0	0
arbitrate	1	14	0	0	19	aright	3	14	11	18	12
arbitration	5	16	4	5	65	arise	37	180	109	180*	203
arbitrator	1	16	0	0	5	arisen	6	30*	18	30*	36
arbor	6	57	29	17	12	aristocracy	6	28	27	8	55
arc	9	57	37	15	61	aristocrat	7	50	27	17	33
arcade	1	10	8	0	10	aristocratic	7	57	29	9	41
Arcadia	2	17*	0	25	3	Aristophanes	1	3	3	1	24
Arcadian	1	11*	1	7	10	Aristotle	3	16	2	9	32
arch	34	216	77	216*	118	arithmetic	9	57	53	32	24
archaeological	1	8	3	0	7	arithmetical	1	5	3	1	9
archaic	1	6	7	0	20	Arizona	10	28	77	35	52
archangel	1	8	4	6	3	ark	7	90	14	12	15
archbishop	15	50	16	90	123	Arkansas	8	28	55	20	44
archduke	1	7	0	7	15	Arkwright	5	0	45	26	30

Arlington to aspersion

	G	T	L	J	S		G	T	L	J	S
Arlington	2	4	32	1	6	artfully	2	22	4	4	7
arm	AA	M	M	M	M	Arthur	AA	160	432	810	842
armada }	3	28	0	29	17	artichoke	1	12	11	3	3
Armada }						article	AA	700	550	700*	766
armadillo	1	3	1	14	1	articulate	4	50	19	5	10
armament	8	14	18	7	115	articulation	1	10	6	1	6
armchair	6	28	59	20	14	artifice	3	28	8	5	16
Armenia	2	6*	2	2	33	artificer	1	11	0	3	5
Armenian	2	5*	8	0	29	artificial	20	76*	93	52	145
armful	2	8	14	17	3	artificially	3	14*	16	7	32
armhole	1	18	8	1	2	artillery	14	57	53	32	122
armistice	8	11	55	1	89	artisan	5	28	7	28	32
armor	37	221	34	221*	192	artist	A	160	309	137	361
armored	2	14	5	14*	12	artiste	1	0	20	0	0
armorer	1	10	0	11	1	artistic	16	90	65	17	117
armory	4	28	6	33	10	artistically	1	1	11	0	9
armpit	1	12	7	4	8	artless	2	16	7	3	12
Armstrong	1	3	13	8	8	Aryan	1	1	3	3	15
army	AA	700	340	700*	M	as	AA	M	M	M	M
Arno	1	6	3	6	?	Asa	?	7	1	158	2
Arnold	?	6	44	21	?	asbestos(us)	1	16	6	1	2
aroma	2	10	25	1	4	ascend	29	210	21	210*	90
aromatic	4	50	11	5	19	ascendancy(ency)	1	10	7	3	10
arose	A	235	168	235*	336*	ascension(A)	1	16	6	1	11
around	AA	M	M	M	M	ascent	10	50	20	28	98
arouse	28	90	144	112	160	ascertain	10	57	9	39	92
arraign	2	16	5	2	15	ascetic	1	7	6	3	5
arrange	A	300	438	300*	280	Asclepius	?	0	0	3	18
arrangement	45	90	298	113	311	ascribe	9	57	20	14	87
arrant	3	57	2	1	7	Asgard	13	0	0	241	0
arras	1	10	0	7	6	ash	37	200	145	200*	125
array	20	130	42	87	107	ashamed	45	245	232	245*	103
arrears	1	14	4	1	15	ashen	2	16	13	5	3
arrest	36	128	216	69	250	Ashley	1	3	5	4	6
arrival	36	160	159	134	201	ashore	21	130	87	84	87
arrive	AA	700	724	700*	532	Asia	37	240	37	240*	160
arrogance	4	50	13	7	7	Asia Minor	3	2	0	2	50
arrogant	4	28	34	2	15	Asiatic	9	50	37	24	60
arrow	37	245	39	245*	146	aside	A	235	354	235*	270
arrowhead	1	4	11	6	3	ask	AA	M	M	M	M
arsenal	3	28	3	13	27	askance	2	18	3	10	5
arsenic	3	16	4	16	35	aslant	1	11	0	7	4
art	AA	700	537	700*	M	asleep	A	430	242	430*	128
Artemis	3	8	31	18	0	asparagus	6	50	53	7	1
artery	6	57	4	1	59	aspect	27	90	92	62	250
artesian	1	14	0	0	8	aspen	1	7	9	4	6
artful	2	28	7	5	6	aspersion	1	8	8	1	2

asphalt to atone

	G	T	L	J	S		G	T	L	J	S
asphalt	5	50	10	3	35	Assyria	2	42*	2	9	0
asphodel	1	10	0	5	4	Assyrian	4	8*	4	1	60
aspic	1	7	13	0	1	aster	3	16	25	11	4
aspirant	2	14	5	6	20	astern	2	5	16	8	15
aspiration	7	50	26	9	54	asteroid	1	3	0	8	9
aspire	8	57	15	12	62	asthma	1	7	6	7	3
Asquith	1	3	3	1	14	astir	1	11	1	11	3
ass	14	160	12	44	38	astonish	26	126	110	126	112
assail	12	90	37	29	63	astonishing (adj.)	13	64	50*	64	60
assailant	6	57	7	23	34	astonishingly	2	10	9	10	8
assassin	4	18	10	38	18	astonishment	20	90	100	119	66
assassinate	2	16	1	4	27	Astor	1	6	16	2	6
assassination	4	18	8	6	51	astound	10	50	69	24	51
assault	22	115	46	119	126	astray	5	50	15	15	20
assay	5	28	3	42	32	astride	2	12	11	16	12
assemblage	2	18	6	8	19	astrigent	1	8	8	1	7
assemble	35	200	98	200*	136	astrolabe	1	5	0	8	10
assembly(A)	49	220	66	220*	376	astrologer	2	10	26	4	5
assent	13	57	54	58	79	astrological	1	5	10	0	5
assert	32	115	86	48	330	astrology	2	10	27	4	3
assertion	9	50	30	24	74	astronomer	10	50	12	49	81
assess	1	16	2	3	11	astronomical	3	14	1	7	36
assessment	1	12	5	4	11	astronomy	5	14	6	25	53
asset	6	8*	51	3	45	astute	1	6	17	1	4
assets	6	8*	55	2	45	asunder	6	57	9	17	25
assiduous	1	9*	10	4	3	asylum	4	18	23	14	31
assiduously	1	9*	5	3	9	at	AA	M	M	M	M
assign	24	160	96	45	147	Atalanta	?	0	0	33	12
assignment	4	28	35	7	14	ate	A	280	220	280*	?
assimilate	4	50	11	1	23	atheism	1	7	1	0	14
assimilation	2	28	8	3	9	atheist	2	18	10	0	12
assist	44	248	92	248*	207	Athene	3	1	1	47	10
assistance	26	130	68	97	190	Athenian	4	57	4	18	8
assistant	23	57	151	46	173	Athens	10	57	18	88	28
assizes	1	10	0	1	7	athirst	1	10	1	15	2
assn.(A)	1	0	18	0	0	athlete	6	18	33	17	51
associate	46	160	250	68	363	athletic	10	54*	24	18	94
association	A	115	284	63	539	athletics	7	36*	22	3	61
assorted (adj.)	2	5*	30	2	4	athwart	2	18	3	5	10
assortment	4	28	38	0	8	Atlanta	5	11	20	1	68
assuage	2	16	12	2	13	Atlantic	A	300	133	300*	244
assume	A	160	346	80	562	atlas (A)	4	31	10	29	7
assumption	11	50	39	12	99	atmosphere	38	90	149	123	333
assurance	18	90	91	42	106	atmospheric	5	7	17	15	52
assure	A	275	355	275*	343	atom	8	50	17	31	62
assured (adj.)	3	15*	19*	15	18	atomic	1	16	2	0	10
assuredly	7	28	13	49	39	atone	2	16	15	8	10

atonement to autumn

	G	T	L	J	S		G	T	L	J	S
atonement(A)	2	18	12	5	12	Aug.	4	57	27	0	0
atop	2	11	19	8	8	auger	1	14	5	9	3
atrocious	2	11	11	8	12	aught	10	57	7	87	33
atrocious	2	28	7	3	15	augment	7	57	24	8	49
atrophy	1	10	9	1	7	augmentation	1	8	1	1	8
attach	34	160	139	22	301	Augsburg	1	3	5	4	8
attaché	1	4	9	0	10	augur	2	16	1	2	19
attachment	8	50	25	26	48	August	A	320	328	320*	326
attack	A	280	339	280*	772	august	3	6	23	14	23
attain	30	160	79	60	245	Augusta	2	14	22	3	8
attainable	1	8	3	1	7	Augustine	1	14	4	2	4
attainment	4	14	22	8	39	Augustus	5	28	6	8	54
attaint	1	11	0	7	2	auld	1	2	13	1	4
attempt	AA	330	450	330*	993	aunt	A	350	774	350*	181
attend	A	700	365	333*	301	aura	1	7	15	3	3
attendance	13	90	53	37	64	aurora (A)	3	16	8	29	18
attendant	26	90	124	184	87	auspice	3	12	8	3	31
attention	AA	285	680	285*	649	auspicious	2	16	5	3	12
attentive	11	79	49	52	23	austere	5	50	24	2	23
attentively	1	11	2	0	7	austerity	1	11	8	0	11
attest	5	57	15	7	22	Austin	3	14	39	6	12
attic	12	90	72	25	29	Australasia	1	11	0	1	6
attire	12	115	27	39	36	Australia	10	45*	48	23*	64*
attitude	A	90	362	69	407	Australian	8	45*	14	23*	64
attorney	23	90	175	20	134	Austria(n)	23	90	92	48	200
attorney general	7	10	8	16	100	Austria-Hungary	1	18	3	1	12
attract	34	130	205	15	273	authentic	5	7	35	8	42
attraction	17	90	74	39	104	authenticity	1	10	5	2	10
attractive	34	130	326	44	117	author	A	235	312	235*	320
attractively	1	5*	17	1	0	authoritative	8	28	25	36	64
attractiveness	1	12	21	2	0	authority	A	240	311	240*	800
attributable	1	8	6	0	8	authorize	10	57	24	17	93
attribute	22	90	62	37	208	authorship	2	5	10	1	20
attune	1	14	10	1	7	auto	8	90	35	2	33
auburn (A)	4	28	36	2	6	autobiography	3	14	15	14	12
auction	5	28	39	9	31	autocracy	1	8	1	0	21
auctioneer	1	12	8	1	3	autocrat	1	14	5	1	7
audacious	3	16	10	15	16	autocratic	1	10	13	1	9
audacity	5	50	12	18	14	autograph	2	10	14	1	15
audible	6	41*	40	13	28	automatic	11	57	81	10	50
audibly	1	9*	9	4	5	automatically	9	10	99	9	56
audience	42	130	320	85	228	automaton	1	6	15	1	7
audit	1	11	10	0	3	automobile	A	280	474	280*	748
auditor	2	18	18	9	8	automotive	2	0	7	0	37
auditorium	3	12	38	0	11	autonomous	1	3	1	0	14
auditory	1	14	1	2	2	autonomy	1	5	1	1	19
Audubon	2	7	3	25	2	autumn	49	300	132	300*	161

autumnal to baffle

	G	T	L	J	S		G	T	L	J	S
autumnal	1	18	7	5	0	axil	1	4	0	29	1
auxiliary	3	18	7	5	32	axiom	1	8	4	0	8
avail	16	90	44	49	105	axis	9	57	4	31	85
available	25	50	119	26	268	axle	9	57	8	82	30
avalanche	4	16	20	8	35	Axminster	1	11	10	0	0
Avalon	1	3	1	2	12	ay	14	90	17	117	37
avarice	4	57	5	4	14	aye	16	57	36	127	70
avaricious	1	14	0	8	4	Azores	4	50	3	14	6
avenge	12	90	19	68	45	Aztec	1	7	7	4	10
avenger	1	14	0	5	4	azure	6	57	5	25	21
avenue	A	250	320	250*	126						
aver	6	18	3	10	77	baa	1	16	6	3	7
average	A	210	519	210*	720	Baal	1	18	0	0	11
averse	3	28	20	6	11	babble	9	115	36	10	15
aversion	3	28	18	5	10	Babcock	3	11	5	0	44
avert	9	50	53	20	47	babe	16	130	53	75	43
aviation	8	10	65	1	76	Babel (b)	1	16	3	8	3
aviator	9	11	38	15	104	baboon	2	18	9	2	7
avid	1	0	27	0	0	baby	AA	700	M	700*	246
avidity	1	10	1	3	6	babyhood	2	4	21	13	4
Avignon	1	11	3	6	6	Babylon	6	57	6	12	41
avocado	1	0	16	0	5	Babylonia	2	10*	2	12	26
avocation	1	6	6	3	6	Babylonian	1	6*	2*	6	7
avoid	A	260	370	260*	316	Bacchus	3	12	1	37	9
avoidance	1	11	4	2	6	Bach	2	0	15	28	24
Avon	2	18	2	16	10	bachelor	13	57	69	84	30
avouch	1	10	2	6	1	bacillus	2	18	10	0	17
avow	2	16	9	14	11	back	AA	M	M	M	M
avowal	1	11	2	3	7	backbone	7	28	38	38	30
await	45	270	128	270*	152	backfield	?	0	20	0	0
awake	A	360	181	360*	103	backgammon	1	6	14	0	0
awaken	28	115	175*	132	98	background	25	50	261	49	90
awakening (n.)	3	11	20*	14	18	backward	27	138*	139	119	100
award	12	57	59	20	85	backwards	4	22*	10	32	16
aware	33	90	268	113	138	backwoods	2	10	9	21	4
away	AA	M	M	M	M	backwoodsman	2	6	0	27	3
awe	17	130	70	53	66	bacon	12	65*	113	31	24
awful	A	220	370	220*	126	Bacon	13	65*	0	6	180
awfully	17	60	184	60	13	bacteria	8	57	19	13	71
awhile	25	160	158	80	54	bacterial	1	7	5	0	7
awkward	14	41*	120	56	47	bad	AA	M	M	M*	576
awkwardly	5	16	49	22	5	bade	33	230*	30	230*	117
awkwardness	2	14	22	7	5	Baden	1	7	0	2	10
awning	2	18	26	6	2	badge	8	57	22	22	43
awoke	17	90	75	79	70	badger	11	57	18	88	44
awry	1	8	4	10	1	baffle	9	57	44	32	46
ax (axe)	35	250	53	250*	77						

bag to bark

	G	T	L	J	S		G	T	L	J	S
bag	AA	700*	500	700*	126	bandage	14	50	69	16	128
Bagriad	6	14	2	15	84	bandanna	1	2	8	1	11
baggage	11	57	68	25	54	bandit	5	28	33	11	29
baggy	1	2	9	5	2	bandy	1	12	3	5	3
bagpipe	1	18	7	5	4	bandy-legged	1	0	2	17	0
bah	1	6	10	12	7	bane	5	28	9	62	7
bail	5	50	24	8	21	bang	14	57	94	59	42
Bailey	3	6	24	26	32	Bangor	1	4	8	0	10
bailiff	2	16	8	14	4	banish	16	160	54	38	42
bairn	2	5	2	25	4	banishment	6	90	4	9	6
bait	14	90	50	72	43	banister	1	6	15	5	4
bake	A	313*	659	313*	56	banjo	2	16	17	5	4
baker	10	50*	86	16	32	bank	AA	M	835	M*	M
Baker	?	50*	0	0	118	banker	27	90	152	10	239
bakery	1	8	16	3	7	banking (n.)	6*	?	34*	?	?
baking (n.)	10	47*	85	47*	8	banknote	1	1	2	3	18
Balaam	1	16	2	1	1	bankrupt	6	50	26	5	29
balance	A	260*	287	260*	277	bankruptcy	5	18	35	3	39
Balboa	1	6	2	11	6	banner	23	160	67	111	90
balcony	8	18	65	46	24	bannock	1	18	0	4	0
bald	9	57	45	21	43	banquet	18	160	54	76	51
Baldwin	5	4	12	4	76	banter	3	12	26	9	7
Baldy	6	0	55	6	52	baptism	5	57	5	14	19
bale	9	50	58	21	43	Baptist	6	50	10	3	70
baileful	1	10	6	8	7	baptize	4	50	5	10	11
Balfour	3?	5	0	0	50	bar	A	386	320	386*	342
balk	4	28	26	4	16	barb	2	12	0	7	22
Balkan	7	14	5	0	107	Barbados	1	11	2	4	4
ball	AA	M	503	750*	288	Barbara	5	6	61	15	24
ballad	10	57	15	39	76	barbarian	9	57	12	43	64
ballast	2	28	0	10	10	barbaric	2	28	4	4	15
ballet	2	3	14	7	12	barbarism	1	14	4	7	10
Balliol	1	7	2	3	6	barbarous	8	90	4	28	28
balloon	17	50	69	70	123	Barbary	1	6	5	4	10
ballot	14	50	47	56	114	barbecue	2	14	9	3	11
ballroom	1	8	25	1	0	barbed	1	2	10	8	9
ballyhoo	2	0	33	0	4	barber	16	90	50	68	96
balm	7	90	18	9	11	Barcelona	3	8	15	2	36
balmy	5	57	19	12	6	bard	8	90	1	41	29
balsam	2	8	6	14	17	bare	A	420	239	420*	241
Baltic	4	28	5	4	38	barefoot	5	28	21	15	34
Baltimore	19	115	68	58	118	barefooted	5	29	24	16	36
balustrade	2	10	9	9	9	bareheaded	2	11	16	15	6
bamboo	8	57	20	49	28	barely	16	78	116	47	60
ban	2	8	38	15	31	bargain	35	200	137	160*	134
banana	13	115	56	38	33	barge	12	57	55	54	65
band	A	700	272	420*	289	bark	A	400	152	240*	162

barker to beamed

	G	T	L	J	S		G	T	L	J	S
barker	1	2	22	2	8	bass	7	57	28	19	26
barley	12	130	17	38	46	bastard	4	57	2	2	17
Barleycorn	1	10	0	0	8	baste	2	18	22	4	1
Barmecide	?	0	0	31	8	Bastille (b)	2	11	2	32	5
barn	45	360	176	200*	84	bastion	1	11	2	7	13
Barnabas	1	7	10	0	4	bat	19	160	61	42	86
barnacle	1	6	7	10	0	batch	3	12	20	18	8
Barnum	3	2	35	8	16	bate	1	10	3	4	3
barnyard	4	57	18	9	0	bath	46	210	315	210*	97
barometer	2	10	7	16	19	Bath	3	25	0	25	14
baron	27	90	49	169	184	bathe	39	235	224	175*	68
baroness	4	6	27	31	18	bathrobe	2	12	29	1	0
baronet	1	4	1	3	20	bathroom	9	28	144	5	0
baronial	1	6	0	15	2	bathtub	1	2	29	2	0
barony	1	11	1	4	12	batisse	1	12	9	0	0
baroque	1	3	21	0	4	baton	1	5	13	4	4
barrack	4	9	21	9	34*	battalion	6	28	13	24	48
barracks	3	9	12	0	34*	batten	1	12	3	13	5
barrage	1	8	19	0	12	batter	15	57	134	34	52
barrel	32	220	71	144*	141	battery	19	85	63	104	107
barren	21	160	55	99	80	battle	AA	700	307	504*	M
barricade	3	10	19	16	10	battle-ax (axe)	1	8	7	11	3
Barrie	1	0	0	27	2	battlefield	3	18	18	33	2
barrier	17	90	74	59	91	battlement	3	28	6	11	17
barrister	1	10	2	2	6	battleship	6	18	36	16	53
barrow	3	16	20	15	5	bauble	1	18	4	6	6
bartender	1	3	20	0	0	Bauer	1	2	1	1	14
barter	4	18	19	20	26	Bavaria	1	8	5	2	18
Bartholomew	4	12	49	4	18	Bavarian	2	8	0	0	32
Barton	5	3	52	26	10	bawl	6	50	37	28	6
basal	1	11	1	0	15	bay	AA	700	189	447	465
base	AA	430	337	430*	627	Bayard	2	3	2	3	28
baseball	15	57	78	6	143	bayonet	9	57	37	18	60
baseboard	1	2	5	11	0	Bayonne	1	3	4	1	12
baseless	1	10	2	2	4	bayou	1	6	7	5	6
basement	8	16	89	17	24	bazaar (ar)	3	10	30	3	5
baseness	1	16	3	3	5	B.C.	4	8	6	11	50
bashful	7	90	18	8	11	be	AA	M	M	M	M
bashfulness	1	14	0	2	2	beach	A	250	314	250	175
basic	9	16	81	0	67	beacon	4	18	12	33	19
basil (B)	1	7	8	2	4	bead	16	155	55	42	39
basilica	1	5	1	4	21	beaded (adj.)	1	5	17	1	1
basin	25	160	27	107	161	beagle	1	10	7	2	0
basis (es)	40	115	204	25	380	beak	15	85	12	158	15
bask	3	18	17	20	8	beaker	1	12	1	6	2
basket	A	700	214	300	127	beam	42	350	127	192*	99
basketball	1	3	13	1	3	beamed (adj.)	1	10	3	5*	2

beaming to beige

	G	T	L	J	S		G	T	L	J	S
beaming (adj.)	3	30	13	18*	10	bedstead	2	12	8	15	8
bean	43	250	265	200	74	bedtime	6	50	40	15	15
bear	AA	M	605	M*	?	bee	A	700	172	330*	131
beard (B)	32	232	102	147*	95	beech	10	57	38	74	26
bearded	1	13*	11	8	0	beef	20	160	148	21	44
beardless	1	10	0	7	5	beefsteak	1	8	12	5	2
bearer	11	90	28	41	54	beehive	1	6	5	9	6
bearing (n.)	11	50	43	59	51	been	AA	M	M	M	M
bearskin	1	3	7	8	2	beer	23	90	133	71	120
beast	A	700	91	350*	202	Beersheba	1	14	1	0	4
beastly	4	50	14	8	6	beet	11	90	83	10	31
beat	AA	700	720	575	300	Beethoven	11	10	11	89	88
beaten	28	57	245	100	105	beetle	11	90	14	88	22
beater	2	12	35	1	0	beetling (adj.)	1	8	5	2	8*
beating (n.)	5	30	32	20	8	befall	10	50	7	6	126
Beatrice	11	16	97	75	14	befallen	8	50	7	56	43
beau	5	57	31	6	11	befell	7	30	4	62	43
Beaufort	1	7	1	0	12	befit	3	40	4	8	14
Beaumont	2	18	1	6	20	befitting (adj.)	1	10	2	11	0
Beauregard	1	2	5	20	0	before	AA	M	M	M	M
beauteous	4	57	0	10	16	beforehand	9	90	27	31	18
beautiful	AA	M	987	M*	644	befriend	5	50	6	33	5
beautifully	6	40	0	40*	39	beg	A	400	444	300*	160
beautify	4	50	21	6	6	began	AA	?	M	M*	M
beauty	AA	700	776	684*	575	beget	4	57	5	3	20
beaux	1	3	13	1	6	beggar	29	210	63	134*	129
beaver	23	50	28	279	72	beggarly	1	12	1	6	7
becalm	1	10	0	3	8	beggary	1	16	0	2	3
became	AA	M	966	M*	M	begin	AA	M	M*	M*	950*
because	AA	M	M	M	M	beginner	5	28	42	8	26
beck	1	16	0	12	3	beginning (n.)	44	?	269*	206	200*
Becket	2?	12	0	0	40	begone	2	18	9	16	6
beckon	11	57	73	44	37	begot	3	57	2	1	9*
become	AA	M	M	M*	M	begrudge	1	4	11	4	7
bed	AA	M	M	M*	746	beguile	8	90	7	30	28
bedchamber	2	18	3	15	9	begun	A	300	223	250*	224*
bedclothes	2	4	9	20	6	behalf	18	130	36	50	125
bedding (n.)	4	12	33	20	22*	behave	22	130	115	85	73
bedeck	1	5	1	12	4	behavior(our)	18	57	109	53	110
Bedford	4	14	8	18	32	behead	5	57	0	19	14
bedight	1	4	0	9	5	beheld	40	160	27	335	210*
bedlam (B)	1	14	14	4	3	behest	1	14	3	11	5
Bedouin	1	7	2	6	12	behind	AA	M	M	M*	780
bedraggle	1	2	14	7	2	behold	A	320	41	320*	269*
bedroom	35	130	383	61	59	beholder	2	11	10	13	7
bedside	5	14	23	23	34	behoove	1	10	3	8	13*
bedspread	1	12	7	1	0	beige	1	1	26	0	0

being to beta

	G	T	L	J	S		G	T	L	J	S
being	AA	M	M	M	M	benevolent	4	8	25	13	35
belated	3	16	29	13	13	Bengal	3	8	4	7	50
belch	1	14	4	6	8	benighted	1	14	5	2	13
beleaguer	1	10	7	7	4	benign	1	18	9	2	5
Belfast	1	4	4	0	14	benignant	1	10	4	4	4
belfry	1	14	0	5	4	Benjamin	11	90	25	26	66
Belgian	6	14	24	10	64	Bennett	12	0	169	4	48
Belgium	12	57	32	10	127	bent	A	245	313	250*	193
Belgrade	1	4	0	0	26	Bentley	4?	7	7	0	68
belie	4	18	22	6	33	benumb	2	12	2	9	13
belief	39	160	212	16	317	benzene	1	14	1	5	4
believe	AA	M	M	M	M	bepraise	1	1	0	30	0
believer	6	50	17	8	34	bequeath	5	57	7	9	30
belike	1	11	2	18	3	bequest	1	14	6	3	9
belittle	1	4	11	2	8	Berber	1	3	3	0	13
bell	A	650	109	350*	217	bereave	3	28	13	5	11
Bell	7	50	0	2	84	bereavement	1	4	7	7	3
belle (B)	13	18	138	5	76	bereft	4	57	8	6	11
belligerent	3	14	19	5	29	beret	1	2	25	0	0
bellow	18	115	73	117	27	berg	1	12	0	6	0
bellows (n.)	2	15	3	13	16	Bering	1	4	0	10	4
belly	10	57	29	64	47	Berkeley	6	57	7	6	38
belong	AA	700	493	600*	600	Berkshire	2	14	5	4	26
belongings	6 *	?	29	?	33	Berlin	27	50	111	9	316
beloved	25	160	95	122	74	Bermuda	3	7	47	1	13
below	AA	410	529	410*	777	Bern (ne)	2	4	16	4	14
belt	48	260	146	260*	207	Bernard	9	7	82	25	48
Belvedere	1	2	1	8	8	berry	29	260	90	133	48
bemoan	2	28	4	10	4	Bert	9?	6	155	0	10
Ben	28	57	245	194	15	berth	4	28	27	10	24
Benares	1	2	2	0	14	Bertha	1	2	11	4	2
bench	46	280	226	210*	112	Bertrand	2?	2	0	25	10
bencher	1	5	27	1	0	beseech	12	90	13	61	54
bend	48	347	204	200*	128	beseem	2	28	0	16	6
beneath	A	340	337	340*	366	beset	7	55	19	31	27
benedict (B)	3	14	7	3	36	beside	AA	700	934	700*	500
Benedictine	1	12	0	2	13	besides	A	115	475	401	277
benediction	3	18	10	10	19	besiege	11	90	23	25	77
benefaction	1	6	3	0	9	besieger	2	12	2	4	19
benefactor	4	28	14	15	20	besought	7	50	6	52	34
benefice	1	10	1	0	7	bespeak	1	12	3	6	12
beneficence	1	10	4	2	4	Bess	?	130	16	1	0
beneficent	2	16	8	4	25	best	AA	M	M	M	M
beneficial	7	50	30	11	47	bestir	1	11	3	5	7
beneficiary	1	10	10	1	10	bestow	20	160	34	89	81
benefit	A	250	186	250*	323	bet	23	57	286	14	61
benevolence	3	28	10	3	19	beta	1	1	9	3	11

betake to bivalve

	G	T	L	J	S		G	T	L	J	S
betake	2	14	0	17	11	bilious	1	10	13	0	6
Beth	4?	18	52	2	2	bill (B)	AA	700	M	700*	655
bethink	4	50	0	16	6	billboard	1	0	29	1	0
Bethlehem	5	28	18	7	54	billet	2	14	5	8	13
bethought	3	16	0	35	11	billiards	2	18	10	1	15
betide	2	28	2	10	4	billion	11	12	93	14	87
betimes	3	50	4	7	10	billow	8	90	19	26	26
betoken	2	11	4	14	9	billowy	1	7	4	8	4
betook	2	11	4	19	12	Billy	42	200	520*	7	34
betray	33	200	112	150*	148	bimetallic	1	1	0	0	22
betrayal	1	7	11	2	11	bimetalism	1	5	0	0	44
betroth	4	53	11	15	6	bin	6	50	25	29	7
betrothal	1	12	6	8	7	bind	39	270	69	180*	197
better	AA	M	M	M	M	binder	2	16	16	4	6
betterment	2	14	17	2	19	binding (adj. n.)	6	40	23	30*	19
Betty	?	130	540	13	6	binocular(s)	1	11	6	0	11
between	AA	M	M	M	M	biographer	3	11	7	5	40
betwixt	11	57	5	51	88	biographical	1	4	5	0	19
bevel	2	28	2	14	2	biography	5	14	34	4	39
beverage	8	57	49	8	45	biological	3	28	17	1	18
bevy	1	12	5	6	2	biologist	1	10	5	1	4
bewail	5	57	15	18	12	biology	5	57	12	4	18
beware	12	115	16	48	44	birch	16	115	34	108	32
bewilder	24	57	201	81	99	bird	AA	M	386	M*	348
bewilderment	4	16	46	8	5	birdcall	1	0	0	16	0
bewitch	7	57	15	44	12	birdie	5	57	32	6	1
bey	1	5	0	0	19	bird's-eye	1	4	12	1	1
beyond	AA	245	702	575*	782	Birmingham	5	7	11	23	62
bias	5	57	17	2	25	birth	A	320	255	320*	281
bib	7	57	74	4	2	birthday	37	290	176	170*	40
Bible (b)	25	115	121	70	151	birthplace	5	57	12	8	26
biblical	2	11	13	0	21	birthright	4	57	11	10	2
bibliography	1	7	4	0	13	biscuit	14	57	132	32	34
bicker	1	16	9	0	5	bisect	1	12	2	0	5
bicycle	11	130	37	16	23	bishop	40	115	93	105	422
bid	A	370	87	370*	205	bishopric	2	11	0	3	35
bidden	3	4	5	37	10	Bismarck	1	14	3	2	8
bidder	1	3	1	0	17	bison	1	18	3	8	6
bidding (n.)	3	?	10	18	20	bit	AA	700	977	700*	330
bide	6	57	10	33	18	bite	33	252*	122	130*	101
biennial	1	14	3	0	6	biting (adj.)	4	28*	15	21*	11
bier	4	50	1	16	8	bitten	5	40*	21	30*	16*
big	AA	M	M	M	M	bitter	A	240	313	240*	239
bight	1	10	0	2	6	bitterly	21	70	182	70	72
bigness	1	8	8	6	7	bitterness	14	57	106	21	70
bigot	1	16	8	1	6*	bituminous	5	50	5	7	37
bigotry	1	10	12	0	12	bivalve	1	11	2	3	3

bivouac to bluish

	G	T	L	J	S		G	T	L	J	S
bivouac	1	10	4	3	9	blest	6	115	2	4	4
bizarre	1	7	13	0	9	blew	39	235	119	120*	240
blab	1	16	2	1	2	blight	6	57	22	12	21
black	AA	M	M	M*	888	blind	A	700	434	352*	270
blackberry	5	57	13	12	12	blindfold	3	28	12	5	11
blackbird	9	90	4	60	22	blindly	6	?	41	?	21
blackboard	9	130	19	14	9	blindness	9	90	47	16	23
blacken	6	57	30	20	9	blink	12	50	83	62	21
blackguard	1	8	5	11	3	bliss (B)	12	130	32	11	55
blackmail	4	6	45	10	12	blissful	2	11	24	5	9
blackness	6	18	49	29	21	blissfully	1	7	15	4	4
blacksmith	19	210	20	90*	37	blister	6	57	27	9	27
blacktail	1?	0	0	19	0	blithe	4	34	7	20	15
bladder	2	28	3	5	8	blithely	3	23	20	9	2
blade	32	250	84	146*	104	blizzard	3	16	27	7	13
Blaine	3	3	49	0	6	bloat	1	10	14	5	2
Blair	2	7	10	1	18	block	A	420	360	318*	174
Blake	4	6	68	2	8	blockade	8	57	10	18	70
blame	A	360	380	305*	175	blockhead	2	14	10	9	6
blameless	4	57	4	5	13	blockhouse	2	5	5	4	25
Blanc	1	12	3	0	4	blond (e)	17	28	254	4	33
blanch	4	57	18	4	8	blood	AA	700	504	587*	666
Blanche	6	57	36	4	22	bloodhound	1	10	15	5	1
bland	4	35*	30	1	8	bloodless	2	16	10	4	9
blandishment	1	11	0	3	9	bloodshed	4	28	9	30	19
blandly	2	15*	21	2	3	bloodshot	1	6	14	5	4
blank	32	210	166	145*	58	bloodthirsty	2	14	3	18	7
blanket	30	115	210	141	87	bloody	20	160	40	70	99
blare	2	14	16	6	10	bloom	35	250	177	128*	79
blaspheme	3	50	1	1	3	bloomer(s)	1	14	11	0	2
blasphemy	3	57	8	1	4	blooming	5	40	29	21*	13
blast	31	206	113	140	99	blossom	43	330	170	152*	133
blatant	1	12	6	1	5	blot	14	130	72	19	39
blaze	42	240	170	240*	119	blotch	1	11	7	9	3
blazon	1	16	6	4	5	blotter	1	4	19	2	2
bleach	9	57	36	16	67	blouse	9	57	85	19	5
bleachers	1	4	8	0	10	blow	AA	M	338	?	442
bleak	9	57	58	36	11	blower	1	7	4	16	4
bleat	7	90	8	29	5	blubber	1	14	2	5	5
bled	5	50	16	9	30	blue	AA	M	989	M*	438
bleed	16	130	53	24	95	bluebell	1	12	0	11	0
blemish	4	57	10	9	7	blueberry	4	14	28	32	0
blend	17	115	103	24	70	bluebird	7	18	11	87	13
bless	A	500*	168	200*	240	bluebottle	1	4	0	17	0
blessed (adj.)	6*	?	?	?	?	bluejay	1	3	1	25	6
blessedness	1	14	2	2	1	bluff	12	90	50	24	62
blessing (n.)	29	250	74	92*	110	bluish	2	7	9	14	17

blunder to booty

	G	T	L	J	S		G	T	L	J	S
blunder	11	50	60	45	44	boll	3	6	12	15	22
blunderbuss	1	8	0	5	5	Bologna (b)	8	11	4	1	137
blunt	9	82	26	30	30	Bolshevik (b)	18	6	28	0	303
bluntly	4	33	24	9	10	Bolshevism (b)	7	6	10	0	115
blur	8	14	101	17	21	bolster	2	18	18	6	10
blurt	3	8	39	10	6	bolt	27	210	97	123*	63
blush	27	200	113	97*	80	bomb	13	28	137	11	64
bluster	3	18	17	23	9	bombard	2	14	11	12	16
boar	11	57	20	101	30	bombardment	3	14	14	17	14
board	AA	700	825	700*	827	Bombay	2	2	13	0	34
boarder	7	16	88	15	8	bomber	1	0	24	0	0
boarding (n.)	3	?	15	?	15	Bonaparte	3	4	2	43	22
boardinghouse	1	?	6	12	0	bonbon	2	28	10	3	2
boarding school	1	?	4	14	0	bond	A	220	349	220*	263
boast	37	300	121	122*	123	bondage	5	57	15	16	17
boastful	2	14	9	9	14	bondholder	1	3	11	0	9
boat	AA	700	609	600*	486	bondman	1	28	0	1	1
boat hook	1	0	0	18	0	bondsman	1	3	15	1	8
boathouse	1	4	9	6	0	bone	A	700	393	444*	240
boating (n.)	1	10	9	9*	7*	bonfire	3	14	14	19	8
boatman (men)	5	12	6	66	14	Bonn	1	4	0	3	14
boatswain	2	8	3	26	5	bonnet	10	130	15	21	25
bob (B)	A	160	592	203	22	bonny (ie)	7	18	32*	67	12
bobbin	1	6	0	2	23	bonus	9	14	32	1	125
bobby (B)	15	57	97	1	121	bony	3	11	22	15	15
bobcat	1	1	1	28	2	boo	1	12	1	4	7
bobolink	4	18	0	54	3	boob	1	2	14	1	3
bobwhite	3	4	0	55	0	booby	1	10	2	7	4
bode	2	18	6	10	9	book	AA	M	684	?	M
bodice	2	11	21	1	3	bookcase	3	28	30	12	1
bodily	8	57	33	22	43	bookkeeper	3	11	39	2	11
body	AA	M	999	M	M	bookkeeping	1	7	16	2	8
bodyguard	1	5	11	10	4	booklet	6	18	85	1	7
Boer	1	6	7	6	12	bookseller	1	11	3	0	19
bog	9	90	19	36	19	bookshop	1	0	18	0	0
bogus	1	5	15	1	0	boom	19	50	135	70	88
Bohemia	2	20	0	0	16	boomerang	1	4	9	1	4
Bohemian	5	30	18	22	23	boon	12	90	24	81	29
boil	A	320	480	243*	166	Boone	5	2	8	95	0
boiler	11	57	88	23	45	boor	1	6	0	7	5
boisterous	4	45*	7	18	13	boost	2	12	15	2	9
boisterously	1	12*	4	6	2	boot	37	260	134	170*	116
bold	41	296*	111	190*	156	booth (B)	15	90	93	32	63
boldly	11	79*	30	48*	48	bootleg(ging)	3	0	41	0	19
boldness	5	57	5	24	18	bootlegger	4	3	35	1	35
bole	1	8	3	5	3	bootless	1	12	0	2	5
Bolivia(n)	5	11	8	1	74	booty	5	57	7	23	16

booze to brandy

	G	T	L	J	S		G	T	L	J	S
booze	2	1	29	1	12	Bourbon	3	16	2	34	13
bopeep (B)	5	57	2	0	31	bourgeois	3	14	27	0	21
Borah	7	2	17	0	116	bourgeoisie	2	4	22	0	18
borax	2	18	8	5	12	bourn(e)	1	14	2	0	5
Bordeaux	6	50	7	52	3	bout	8	50	60	27	22
border	A	340	213	285*	302	bow	A	700	350	326*	301
bore	A	300	309	300*	320*	bowel (s)	8	115	11	8	10
Boreas	1	10	3	3	2	bower	13	160	24	49	17
boredom	1	3	17	0	5	bowery (B)	2	6	18	6	18
Borgia	1	3	2	0	16	bowl	A	400	268	251	86
boric	1	16	3	0	8	bowler	1	12	18	4	0
born	AA	700	578	680*	760	bowling (n.)	1	16*	6	4*	8
borne	22	160	75	89	80*	bowling green (B)	1	16*	0	1	1
Borneo	1	2	6	1	11	bowls	1	7	4	4	19
borough	9	57	4	16	85	bowman (men)	3	8	28	24	5
borrow	48	235	230	217*	186	bowsprit	1	7	2	11	4
borrower	1	11	4	1	15	bowstring	2	10	2	27	10
Bors	?	2	0	171	86	box	AA	M	635	?	352
Bosnia	1?	4	0	0	16	boxer (B)	3	12	14	2	35
bosom	27	240	51	87	122	boy	AA	M	M	M	M
boss	23	57	245	35	77	boycott	1	8	6	0	13
Boston	A	160	255	127	722	boyhood	12	57	55	65	55
Bostonian	1	2	2	2	21	boyish	9	14	92	43	25
Boswell	1	2	2	0	22	Boyle	2	0	25	2	14
botanical	2	14	7	5	15	brace	17	100	98	77	39
botanist	1	14	6	3	8	bracelet	10	90	71	13	17
botany	3	18	9	18	20	bracing (adj.)	2	15	10	19	?
both	AA	M	M	M	M	bracken	1	10	4	2	3
bother	30	130	287	70	53	bracket	5	28	41	8	28
bottle	A	420	402	337*	190	brad	2	5	5	33	0
bottom	A	700	342	445*	292	Braddock	1	2	0	4	14
bottomless	1	14	6	8	4	Bradford	1	2	17	2	2
boudoir	1	11	15	4	5	Bradley	8?	5	142	2	4
bough	27	200	30	200*	71	brag	5	50	9	20	11
bought	A	410	586	380*	140	braggart	1	11	0	6	5
bouillon	2	6	35	0	2	braid	10	115	47	24	10
boulder	5	16	13	38	40	brain	A	235	401	235*	264
boulevard	4	16	40	1	25	brake	23	200	86	74*	62
Boulogne	1	4	10	4	2	brakeman	1	2	15	0	6
bounce	10	57	41	79	18	bramble	4	57	3	13	7
bound	A	410	370	377	351	bran	5	57	13	22	12
boundary	24	160	16	60	205	branch	AA	700	254	495*	531
boundless	8	115	11	1	26	brand	23	160	144	34	78
bounteous	3	57	3	5	3	Brandenburg	1	6	3	0	14
bountiful	2	18	13	11	10	brandish	4	50	8	16	14
bounty	10	115	15	21	36	brand-new	2	0	38	8	2
bouquet	8	57	59	15	19	brandy	7	50	30	17	31

brant to British

	G	T	L	J	S		G	T	L	J	S
brant	1	4	15	1	1	brevity	2	18	6	3	13
brass	32	240	100	144*	92	brew	9	57	21	43	42
brassière	1	16	12	1	2	brewer	1	11	8	7	7
brat	3	11	43	10	7	brewery	2	11	12	9	11
bravado	1	11	6	5	7	Briand	?	2	2	0	82
brave	A	560	216	400*	317	briar (see brier)					
bravely	18	140	53	80*	53	bribe	10	90	31	29	34
bravery	9	90	12	39	21	bribery	2	16	10	1	18
bravo	1	8	5	14	4	brick	49	350	201	180*	159
brawl	5	57	13	12	16	bricklayer	1	12	4	6	9
brawn	1	16	5	6	8	bridal	5	57	24	15	11
brawny	1	11	3	15	3	bride	41	240	259	166*	73
bray	3	28	10	19	8	bridegroom	7	57	44	16	11
brazen	5	45	16	19	21	bridesmaid	2	6	31	1	3
brazenly	1	12	9	1	2	bridge	AA	700	467	449	430
brazier	1	6	5	15	5	bridle	18	160	31	96	43
Brazil	13	39	51	50	101	brief	A	192	340	192*	290
Brazilian	5	18	25	13	40	briefly	20	78	151	78*	70
breach	10	57	26	17	80	brier (ar)	11	130	5	19	58
bread	A	M	423	?	150	brig	2	8	2	16	20
breadth	17	160	31	42	82	brigade	8	16	26	41	75
break	AA	700	889	736*	620*	brigadier	3	14	1	1	46
breakage	1	3	10	1	10	brigand	2	11	13	13	9
breakdown	4	11	45	7	18	bright	AA	630	645	555*	468
breaker	6	57	28	14	17	brightly	14	70	90	62	33
breakfast	A	700	539	332*	125	brighten	13	115	70	32	27
breakwater	1	14	9	3	5	brightness	11	90	11	60	37
breast	A	390	198	205*	211	Brighton	2	6	2	7	24
breastplate	2	14	2	18	8	brilliance	3	11	32	12	11
breastwork	1	7	2	17	3	brilliancy	3	8	1	26	22
breath	A	390	513	387*	257	brilliant	42	118	229	174	245
breathe	A	326	275	266	198	brilliantly	4	12	31	12	23
breathless	13	40*	114	62	35	brim	13	130	39	48	29
breathlessly	6	17*	56	18	17	brimful	1	16	3	3	2
bred	14	130	39	50	38*	brimstone	2	28	1	4	7
breech	1	6	4	7	6	brine	3	28	3	8	20
breeches	8	57	37	30	27	bring	AA	M	884	M*	M
breed	19	130	79	75	60*	bringer	1	16	2	2	1
breeder	3	18	22	4	10	brink	8	90	23	21	18
breeding	5	30	33	20*	27	brisk	9	44	52	36	29
breeze	29	220	96	103	109	briskly	9	46	70	37	22
breezy	2	16	11	8	4	bristle	11	57	51	64	27
Bremen	3	28	4	1	28	bristly	1	3	3	12	2
Breslau	1	6	2	0	14	Bristol	3	14	5	25	25
Brest	1	0	6	0	22	Britain	44	160	52	31	559
brethren	10	130	8	27	25	Britannia	1	6	1	4	12
Breton	2	11	6	7	14	British	AA	250	290	250*	M

Britisher to buffer

	G	T	L	J	S		G	T	L	J	S
Britisher	1	0	14	0	10	brownish	1	4	6	13	7
Briton	7	57	7	33	29	brownstone	1	2	12	4	0
Brittany	4	12	7	23	42	browse	4	16	11	33	15
brittle	6	50	20	24	14	Bruce	17	14	269	13	26
broach	3	18	21	12	4	bruin	1	16	5	6	2
broad	A	665	282	430*	362	bruise	17	130	76	51	64
broadbrim (med)	1	0	4	4	22	brunet (nette)	2	12	27	2	3
broadcast	12	18	98	6	97	Brunhild	4	0	2	86	0
broadcloth	2	14	15	2	6	Brunswick	3	12	6	1	44
broaden	3	12	19	15	22	brunt	2	16	12	3	12
broadly	4	35*	18	18*	17	brush	A	330	404	288*	130
broadside	3	12	10	18	10	brushwood	1	10	5	5	5
broadsword	1	6	0	14	10	brusque	1	3	20	0	3
Broadway	16	57	151	11	86	brusquely	1	5	12	3	4
brocade	3	23	23	10	6	Brussels	6	50	14	10	46
broccoli	1	1	18	0	1	brutal	9	47	54	26	46
broider	1	14	0	12	1	brutality	3	14	24	10	9
broil	9	57	81	16	14	brutally	2	10	20	5	1
broiler	1	4	19	1	0	brute	14	115	58	73	9
broke	A	240	579	408*	405*	brutish	1	16	0	4	7
broken	AA	700	612	577*	420*	Brutus	3	28	5	12	22
broken-hearted	1	0	0	14	8	Bryan	5	16	34	1	40
broker	7	18	90	4	25	Bryant	1	4	6	5	16
brokerage	2	6	20	0	13	Bryce	1	0	0	0	26
bromide	2	12	8	0	11	bu.	3	57	0	0	0
bronchitis	1	14	2	2	4	bubble	28	210	90	129*	88
Bronx	2	1	10	1	26	buccaneer	2	16	1	2	24
bronze	19	57	65	103	128	Buchanan	2	1	5	27	14
brooch	4	50	15	6	6	buck	15	18	133	90	46
brood	26	130	119	161	64	bucket	16	130	80	54	41
brook	A	700	158	320*	102	Buckingham	2	14	9	1	14
Brooke	?	2	3	62	7	buckle	8	57	43	31	19
Brooklyn	22	130	29	23	214	buckler	1	16	2	3	5
Brooks	1	0	0	0	26	buckskin	2	8	11	12	10
broom	13	160	34	25	27	buckwheat	4	57	5	14	3
broomstick	1	10	3	9	1	bud	30	245	101	139*	72
broth	5	50	32	18	6	Budapest	1	3	13	0	6
brother	AA	M	659	?	582	Buddha	2	6	9	9	12
brotherhood	10	57	11	21	95	Buddhist	1	3	3	2	17
brother-in-law	3	4	23	19	19	buddy	3	1	53	0	3
brotherly	4	57	12	11	7	budge	4	18	44	18	9
brought	AA	M	M	M	M	budget	19	50	153	85	68
brow	37	240	156	167*	106	Buenos Aires	1	11	5	1	16
brown	AA	600	M	600*	222	buff	5	57	14	15	16
Brown	22	100	50	100*	158	buffalo	19	57	84	168	47
brownie	6	90	10	10	0	Buffalo	3	14	0	28	15
Browning	3	14	26	4	26	buffer	1	14	9	5	7

buffet to bustle

	G	T	L	J	S		G	T	L	J	S
buffet	12	90	41	31	68	burden	A	220	217	230*	242
buffoon	1	11	2	7	5	burdensome	1	12	7	1	10
bug	10	90	34	38	31	burdock	1	16	0	0	3
bugbear	1	8	5	1	7	bureau	44	160	284	21	339
buggy	7	57	69	1	9	bureaucracy	1	4	13	1	9
bugle	13	115	56	35	37	burgess	4	28	5	8	41
build	AA	700	306	700*	228*	burgh	1	7	0	3	23
builder	19	130	69	85	62	burgher	6	50	1	61	11
building	AA	700	M	700*	912*	burglar	6	50	34	9	28
built	AA	700	M	700*	M*	burglary	1	14	9	1	5
bulb	14	90	119	19	28	burgomaster	1	8	0	15	11
Bulgaria	3	6	3	1	47	Burgoyne	3	3	5	11	38
Bulgarian	2	5	2	0	40	Burgundian	2	2	0	24	20
bulge	5	16	44	15	18	Burgundy	5	18	10	50	17
bulk	20	130	84	37	112	burial	14	130	31	32	60
bulkhead	1	6	5	4	5	Burke	3	6	43	2	20
bulky	4	18	39	9	19	burlap	1	7	18	4	6
bull	36	230	165	164*	98	burlesque	3	10	25	3	30
Bull	1	5*	0	0	25	Burlington	2	11	8	7	24
bulldog	1	7	11	11	4	burly	2	11	12	10	11
bullet	22	90	132	77	103	Burma	1	3	4	0	16
bulletin	16	57	55	8	178	burn	AA	M	681	?	740
bullfrog	1	3	7	8	0	burner	9	50	48	9	65
bullion	6	10	7	1	93	Burney	1	2	12	1	4
bullock	2	28	4	4	5	burnish	4	50	11	17	11
bully	10	50	37	56	37	Burns	3	3	0	9	52
bulrush	1	14	0	6	4	burnt	3	11	20	16	20
bulwark	6	57	13	17	29	burr	4	45	7	15	5
bum	6	11	94	0	13	Burr	3	45	0	5	20
bumblebee	2	12	2	25	7	burro	1	6	5	0	12
bump	16	57	134	64	37	Burroughs	1	0	0	15	4
bumper	2	18	16	4	6	burrow	17	57	37	176	38
bun	4	57	12	9	0	burst	A	350	350	303*	210
bunch	32	235	160	148*	50	burthen	1	16	0	5	0
bundle	25	160	138	82	71	Burton	?	6	36	2	57
bungalow	8	16	58	0	71	bury	A	330	278	290*	263
bungle	1	5	10	3	8	bus	9	28	125	5	21
bunk	6	12	63	19	18	bush	A	400	160	245*	175
bunker	1	3	7	1	9	bushel	31	230	29	144	172
bunny (B)	19	15	109	23	202	bushy	4	16	15	38	8
Bunsen	1	6	10	0	4	busily	7	57	23	28	21
bunt	1	1	2	13	8	business	AA	700	M	700*	M
bunting	4	57	10	14	0	businesslike	4	7	42	11	15
buoy	5	50	10	27	16	businessman	2	0	23	12	15
buoyancy	1	11	7	3	6	buss	1	3	16	3	1
buoyant	5	50	24	8	13	bust	13	90	106	11	36
Burbank	2	10	23	5	2	bustle	10	57	40	50	42

busy to calmness

	G	T	L	J	S		G	T	L	J	S
busy	AA	700	587	502*	220	cactus	2	18	9	16	9
busybody	1	3	4	12	0	cad	1	5	17	0	0
but	AA	M	M	M	M	caddis (ice)	2	2	0	38	1
butcher	22	210	55	102*	43	cadence	5	57	16	4	16
butler (B)	18	50	134	3	141	cadet	2	4	9	5	18
butt	10	57	33	63	41	cadi	1	0	0	17	18
butte (B)	3	4	42	5	10	Cádiz	1	1	4	3	11
butter	AA	700	578	458*	95	Cadmus	3	11	0	42	6
buttercup	2	28	8	14	2	Caesar	19	160	27	84	72
butterfly	22	160	65	138	44	café	6	12	97	2	6
buttermilk	1	10	11	0	3	cafeteria	2	10	37	0	0
buttery	1	3	3	17	0	cage	30	160	97	217	81
buttocks	1	10	8	0	3	Cain	4	57	4	0	19
button	39	240	196	176*	93	cairn	1	6	5	6	3
buttonhole	2	4	21	7	5	Cairo	5	10	14	12	58
buttress	1	12	3	12	7	caisson	1	3	1	3	16
buxom	1	4	7	8	3	caitiff	1	12	0	10	4
buy	AA	M	883	?	562	cajole	1	8	9	1	6
buyer	16	57	105	10	118	cake	A	700	531	407*	113
buzz	16	160	45	63	35	Cal.	1	2	5	1	12
buzzard	2	16	19	3	1	Calais	4	57	4	17	8
by	AA	M	M	M	M	calamity	9	57	39	29	53
by-and-by	5	24*	1	14	59	calcareous	2	3	0	12	22
bye	1	20*	0	4	1	calcite	2	3	1	33	6
bygone	3	18	18	10	11	calcium	9	50	57	32	30
bylaw	1	16	1	1	3	calculate	16	57	77	47	122
by-product	3	8	20	11	15	calculation	9	18	49	36	66
Byrd	2	0	18	12	20	calculus	1	7	2	0	11
Byron	3	16	11	4	38	Calcutta	5	7	29	2	58
bystander	1	4	11	5	6	caldron	1	14	4	6	0
byway	2	12	2	16	7	Caleb	6	11	95	3	0
Byzantine	2	4	0	5	42	calendar	10	90	44	16	29
						calf	14	130	44	64	20
c.	3	57	0	3	?	Calhoun	1	1	5	1	22
cab	15	57	74	126	18	caliber(re)	1	8	15	1	0
cabal	1	10	1	0	15	calico	7	50	22	35	24
cabaret	2	3	27	0	7	California	A	200	316	200*	334
cabbage	16	115	114	48	26	Californian	7	10	12	10*	105
cabin	A	160	463	269	199	caliph	5	5	1	63	27
cabinet	26	115	113	52	203	caliphate	1	2	0	0	20
cable	24	115	121	55	143	call	AA	M	M	M	M
cablegram	1	6	7	1	4	caller	5	18	42	9	21
cabman	1	3	2	15	2	calling (n.)	2	12	12*	36*	12*
Cabot	8	28	9	112	3	callous	2	12	17	1	8
cache	1	5	10	5	14	calm	A	210	267	230*	192
cackle	4	50	11	23	4	calmly	20	90	160	93	26
						calmness	3	12	24	12	17

calorie to capricious

	G	T	L	J	S		G	T	L	J	S
calorie(y)	4	28	45	0	14	Cannes	1	2	15	1	6
calumny	1	12	1	2	9	cannibal	4	28	10	20	19
calves	7	57	28	45	5	cannibalism	1	3	7	5	3
Calvin	3	10	21	1	30	cannon	21	160	44	104	86
calyx	1	18	0	12	3	cannonade	2	16	3	8	15
cam	1	6	?	0	4	cannot	AA	700	M	?	?
cambric	2	28	5	12	5	canny	1	8	16	7	7
Cambridge	12	50	15	40	126	canoe	32	115	61	303	111
Camden	2	11	5	2	22	canon	13	28	9	40	172
came	AA	M	M	M	M	cañon	1	8	0	11	0
camel	18	115	24	157	35	canopy	6	28	23	36	21
Camelot	5	4	2	32	52	canst	19	220	2	45	90*
cameo	1	8	5	4	2	cant	3	8	30	1	17
camera	15	50	124	9	91	can't	AA	280	M	?	?
Camilla	3	10	55	2	4	canteen	2	8	14	11	11
camouflage	2	8	14	9	18	canter	2	14	15	18	5
camp	AA	380	597	380*	546	Canterbury	4	18	4	13	47
campaign	A	115	306	102	689	canto	8	11	0	0	143
Campanile	1	0	2	5	14	canton (C)	8	50	26	2	68
Campbell	6	11	31	7	64	cantonment	1	6	2	6	11
camper	2	11	15	11	14	Canute	1	6	1	17	8
camphor	2	28	0	11	20	canvas	21	160	61	71	96
campus	7	12	76	2	40	canvass	2	14	20	8	0
can	AA	M	M	M	M	canyon	7	18	75	32	12
Canaan	2	16	6	1	18	cap	A	700	199	339*	119
Canada	44	160	130	74	430	capability	2	16	8	11	9
Canadian	21	50	77	28	233	capable	38	160	176	110	251
canal	48	220	75	220*	365	capacious	4	57	7	13	11
canapé	1	0	24	0	0	capacity	37	130	169	48	321
canary	8	50	39	25	21	caparison	1	11	0	10	1
cancel	8	50	43	1	50	cape	34	230	75	156	162
cancellation	1	11	6	0	15	caper	7	57	21	32	31
cancer	5	57	27	0	12	Capernaum	1	6	0	0	12
candid	3	10	19	1	26	Capet	1	3	0	16	10
candidacy	2	12	8	1	22	capillary	3	50	2	1	13
candidate	45	130	164	80	448	capita	3	4	16	0	42
candidly	1	4	6	2	10	capital	A	300	250	300*	939
candied	1	3	8	5*	2	capitalism	3	4	27	0	34
candle	43	260	148	198*	185	capitalist	8	28	30	6	95
candlelight	2	10	18	6	10	capitalistic	2	6	9	0	30
candlestick	4	57	14	0	16	capitalize	1	5	13	0	16
candor	5	14	11	33	39	Capitol (c)	11	57	37	53	67
candy	32	250	172	109*	46	capitulate	2	11	12	4	13
cane	19	160	112	26	44	capitulation	1	10	1	6	13
Canfield	1	0	18	2	2	capon	1	4	1	7	10
canine	2	18	6	8	11	caprice	2	16	7	6	12
canker	4	50	3	5	7	capricious	1	12	9	4	3

capsize to casserole

	G	T	L	J	S		G	T	L	J	S
capsize	1	13	1	5	7	carmine	1	6	9	0	4
capsule	2	18	9	12	9	carnage	1	11	5	4	7
captain	AA	700	671	700*	966	carnal	1	18	1	2	2
caption	1	2	17	0	13	carnation	1	16	15	0	3
captive	2	14	14	7	14	Carnegie	4	6	26	0	52
captivity	21	130	14	133	105	carnival	2	16	13	12	8
captor	10	90	6	54	44	Carnivora	1	1	1	17	0
capture	3	7	9	27	16	carnivorous	1	16	5	5	5
car	44	160	96	247*	292	carol	3	57	3	2	8
caramel	AA	700	M	700*	820	Carolina	31	90	74	42	357
carat	2	28	21	1	0	Caroline	3	16	36	1	11
caravan	1	10	2	18	2	carouse	1	14	4	4	3
caraway	7	57	12	29	30	carp	1	16	2	1	3
carbine	2	4	31	2	6	carpenter	24	210	74	110*	47
carbohydrate	1	6	8	8	1	carpet	24	158	165	67	48
carbolic	4	57	16	0	12	carriage	46	340	111	208*	183
carbon	3	28	1	21	4	carrier	12	90	36	51	39
carbonate	23	50	26	176	172	carrion	2	16	5	16	4
carbonic	4	14	6	32	32	Carroll	1	1	19	4	8
carboniferous	10	6	0	82	109	carrot	9	50	96	13	10
carbuncle	1	10	1	4	5	carry	AA	M	M	M	M
carburetor(tt)	1	16	0	2	1	cart	27	235	68	123*	66
carcass	1	28	4	0	3	carter	2	11*	21	6	4
card	7	50	27	31	19	Carter	9	46*	110	0	20
cardboard	A	430	491	334*	177	Carthage	7	14	2	26	88
cardinal	5	16	42	27	8	Carthaginian	5	11	0	22	58
care	11	57	17	17	108	cartilage	1	16	4	1	3
careen	AA	M	M	M	M	carton	3	3	19	41	0
career	1	5	15	0	9	cartoon	4	16	25	4	37
carefree	44	115	317	82	292	cartoonist	1	2	7	0	24
careful	3	3	42	15	2	cartridge	4	14	18	27	22
carefully	A	350	338	304*	225	Caruso	1	12	7	0	6
careless	A	350	317	304*	262	carve	26	166	82	118	102
carelessly	24	110	144	89	92	carver	2	12	25	7	1
carelessness	10	50	72	48	26	carving (n.)	5	34	17	24	22
caress	7	50	38	25	28	cascade	5	57	18	12	18
caretaker	12	57	75	69	23	case	AA	M	912	M*	M
careworn	1	5	7	4	7	casement	6	57	21	25	5
cargo	1	8	6	4	0	cash	46	160	302	211*	172
Caribbean	15	115	72	41	58	cashier	6	57	35	1	22
caribou	1	3	9	3	18	casing (n.)	2	12	15	6	11*
caricature	3	6	5	41	8	casino	1	6	27	0	2
Carl	2	14	12	9	18	cask	5	57	5	25	20
Carlisle	26	115	329	21	13	casket	5	50	12	21	22
carload	1	6	3	5	18	Caspian Sea	1	16	1	1	16
Carlyle	1	4	21	1	8	casque	1	16	1	1	3
	8	12	0	8	134	casserole	3	12	42	1	0

Cassius to cent

	G	T	L	J	S		G	T	L	J	S
Cassius	2	18	4	0	16	cauliflower	2	14	27	4	3
cast	A	424	341	385*	387	cause	AA	M	940	M	M
caste	4	28	15	5	32	causeway	3	11	4	12	37
Castile	4	57	4	10	14	caustic	3	11	6	9	34
Castilian	2	16	2	8	16	caution	15	57	78	67	75
casting (n.)	1	6	5	5	5	cautious	8	23	48	56	32
cast-iron	1	6	8	4	11	cautiously	13	34	71	121	24
castle	A	410	128	421*	714	cavalcade	1	7	5	12	3
cast-off	1	2	6	10	1	cavalier (C)	8	57	13	27	50
castor (C) (er)	2	16	12	1	14	cavalry	14	18	46	53	152
casual	18	57	184	11	75	cave	33	260	40	190*	119
casualty	3	12	8	6	31	cavern	13	57	21	96	61
cat	A	410	306	410*	202	cavernous	1	8	3	10	4
cataclysm	1	8	5	1	5	caviar (e)	2	6	26	0	4
Catalan	1	0	23	0	5	cavil	1	11	3	0	15
catalogue (log)	12	90	49	9	81	cavity	10	57	16	86	37
catapult	2	11	10	9	18	caw	4	57	3	21	3
cataract	7	57	8	20	49	cayenne (C)	1	4	24	1	3
catarrh	1	18	0	0	8	cease	A	280	218	287*	363
catastrophe	7	50	41	11	37	ceaseless	4	20	15	18	20
catawba	1	1	0	0	19	ceaselessly	1	8	10	8	6
catbird	1	4	2	9	8	Cecil	3	12	16	11	20
catch	AA	700	459	464*	320*	Cecilia	1	8	26	0	0
catcher	2	14	15	6	10	cedar	17	160	59	43	52
catechism	1	18	1	4	9	cede	2	18	2	2	22
category	4	12	16	1	50	ceiling	23	115	177	86	51
cater	2	16	11	2	11	celebrate	22	125	73	102*	107
caterpillar	19	57	34	247	18	celebrated (adj.)	21	125	59	98*	109
catfish	2	4	32	0	4	celebration	13	90	59	30	56
cathartic	1	7	10	0	1	celebrity	4	16	29	2	31
Cathay	1	3	5	0	12	celery	9	57	107	3	6
cathedral	24	115	56	123	149	celestial	10	115	16	14	51
Catherine	5	28	23	32	12	cell	A	200	300	212*	236
catholic (C)	41	220	84	84*	358	cellar	32	230	140	145*	64
catholicism (C)	1	3	1	1	13	cellular	1	11	2	2	12
catlike	1	3	8	4	6	celluloid	1	12	12	0	3
catnip	1	11	4	4	0	cellulose	2	28	10	1	4
Cato	2	18	5	4	22	Celt	1	12	4	2	7
Catskill	1	7	2	3	8	Celtic	2	18	2	3	22
Catskills	2	7	13	8	10	cement	17	130	78	36	64
cattle	A	400	98	244*	234	cemetery	11	90	36	26	48
cattleman	1	1	13	1	6	censer	2	28	6	4	7
Caucasian	1	10	5	4	14	ensor	2	12	14	1	24
Caucasus	2	18	3	7	12	ensorship	2	6	19	0	18
caucus	1	12	1	3	12	ensure	8	90	20	12	29
caught	AA	420	800	513*	320*	ensus	7	18	29	22	71
cauldron	1	8	3	6	3	cent	AA	700	846	700*	M

centaur to charioteer

	G	T	L	J	S		G	T	L	J	S
centaur	2	11	2	14	9	Chamberlain	2	0	21*		26
centennial	1	8	1	5	15	chambermaid	1	14	9	4	0
center	AA	700	641	700*	760	chambray	1	28	1	0	0
centigrade	1	12	0	7	0	chameleon	1	12	1	2	12
centimeter (re)	2	28	1	4	6	chamois	1	11	3	10	4
central	A	270	190	270*	765	champ	2	12	16	10	2
centralization	1	6	4	0	8	champagne	4	6	58	2	10
centralize	1	10	6	2	17	champaign	4	57	13	0	3
centre	3	0	7	29	21	champion	36	130	92	230	203
centrifugal	1	12	2	0	15	championship	7	12	43	3	77
centurion	1	10	0	0	14	Champlain	3	18	2	7	44
century	AA	270	373	270*	M	chance	AA	700	M	700*	687
Cerberus	1	8	1	5	4	chancel	1	8	2	2	10
cereal	10	50	100	15	25	chancellor	11	57	20	32	93
cerebral	1	8	12	0	8	chancery	1	12	1	1	11
ceremonial	4	16	12	10	35	chandelier	3	12	23	18	4
ceremonious	2	7	6	13	14	change	AA	M	792	M*	M
ceremony	25	130	105	90	142	changeable	2	16	9	7	7
Ceres	2	12	0	34	6	changeless	1	10	4	2	4
certain	AA	M	800	?	774	changeling	1	8	15	1	0
certainly	AA	?	866	?	464	channel	35	160	93	100	287
certainty	13	50	68	46	84	chant	16	90	82	52	68
certes	2	10	0	38	0	chanticleer	3	57	0	1	6
certificate	12	90	71	10	57	chaos	9	57	34	12	59
certified (adj.)	1	6	15	1	5	chaotic	1	10	12	3	9
certify	2	12	20	4	9	chap	14	57	118	45	48
Cervantes	1	7	5	1	18	chapel	25	210	18	81*	143
cessation	3	16	9	5	31	chaperon(e)	3	18	19	2	16
cession	1	11	0	1	10	chaplain	8	16	33	16	79
Ceylon	2	18	19	4	6	chaplet	1	14	0	5	1
Chad	1	2	22	0	2	Chaplin	1	2	18	0	6
chafe	5	57	12	19	16	Chapman	3	6	45*	2	2
chaff	7	90	10	17	13	chapman	1	4	0	6	10
chagrin	3	12	23	13	16	chapter	A	130	63	82	M
chain	A	700	175	374*	248	char	3	12	22	26	8
chair	AA	700	M	700*	300	character	AA	390	522	390*	M
chairman	22	90	110	24	175	characteristic	35	90	151	97	305
chairmanship	1	4	3	0	13	characteristically	1	4	8	1	21
chaise	2	18	21	11	3	characterization	2	5	9	0	25
Chaldea (n)	1	12	0	3	7	characterize	9	28	31	15	104
chalice	3	11	1	23	19	charcoal	11	50	7	97	49
chalk	13	115	31	44	57	chard	1	3	14	0	1
chalky	1	12	0	9	4	charge	AA	700	651	700*	972
challenge	25	57	136	103	161	chargeable	1	12	2	1	6
challenger	1	10	6	2	9	charger	5	51	5	27	7
chamber	A	327	107	264*	358	chariot	18	160	15	103	59
chamberlain	6	57*	21*	23	12	charioteer	1	11	1	7	2

charitable to children

	G	T	L	J	S		G	T	L	J	S
charitable	6	57	21	8	31	cheerless	2	12	8	23	10
charity	36	200	158	164*	133	cheery	9	57	19	68	21
charlatan	1	6	3	1	15	cheese	45	270	271	204*	70
Charlemagne	5	18	0	36	38	cheesecloth	1	5	16	1	0
Charles	A	350	350	444*	632	chef	2	6	39	1	7
Charleston	11	57	21	21	100	chemical	26	50	63	86	274
Charley (ie)	42	57	606	8	102	chemise	3	50	4	0	1
Charlotte	4	4	49	10	24	chemist	10	50	32	33	72
charm	A	264	372	264*	244	chemistry	11	28	37	50	85
charmer	1	16	10	3	4	Cheops	1	7	1	12	8
charming (adj.)	31	106	250	106*	101	cheque	2	14	1	2	25
charmingly	2	8	21	8*	8	chequer (ed, s)	1	18	1	1	8
chart	15	90	94	15	88	Cherbourg	1	2	6	0	24
charter	20	115	51	28	170	cherish	18	90	87	57	96
Charybdis	1	14	0	2	6	Cherokee	1	4	5	3	8
chase (C)	48	320	142	210*	169	cherry	35	280	167	160*	34
chasm	6	50	14	14	33	cherub	4	57	12	3	6
chassis	1	10	8	0	9	cherubim	3	57	2	0	6
chaste	6	90	6	7	17	Chesapeake	3	14	4	1	40
chasten	2	28	13	6	2	chess	2	18	12	9	6
chastise	3	50	1	5	8	chest	41	245	221	187*	94
chastisement	2	28	3	4	6	Chester	4	12	21	16	36
chastity	2	28	6	2	13	Chesterfield (c)	1	4	9	3	16
chat	12	90	84	27	21	chestnut	16	160	25	62	41
château	5	16	30	39	12	chevalier	1	6	4	11	4
Chatham	1	14	5	1	12	cheviot (C)	1	18	5	1	0
Chattanooga	2	14	4	12	20	chew	14	57	106	49	41
chattel	1	16	5	2	5	Chicago	AA	160	621	65	M
chatter	23	130	114	139	37	chick	15	160	43	52	15
chatterbox	1	1	2	19	0	chickadee	3	4	1	58	2
Chaucer	2	16	1	9	24	chickaree	1	0	0	20	0
chauffeur	9	50	94	4	26	chicken	A	410	357	290*	103
Chautauqua (c)	1	16	2	1	2	chid	1	14	0	4	2
cheap	A	272	327	272*	248	chide	6	57	20	17	15
cheapen	2	10	29	2	9	chief	AA	567	545	567*	M
cheaply	4	18	20	18*	7	chiefly	37	133	98	133*	304
cheat	18	130	102	48	61	chieftain	4	18	10	29	22
check	AA	417	654	417*	347	chiffon	5	18	78	0	0
checkered (adj.)	1	8	3	10	0	chiffonier	1	18	2	0	0
checkers	3	50	9	1	8	child	AA	M	M	M	786
cheek	A	380	504	349*	164	childbirth	1	4	12	1	4
cheekbone	1	0	8	4	14	childhood	27	130	218	81	65
cheer	A	410	193	279*	235	childish	13	53	119	39	30
cheerful	30	160	155	137*	95	childishly	1	4	12	2	1
cheerfully	17	90	101	79	45	childless	2	18	6	3	10
cheerfulness	5	18	24	30	18	childlike	2	18	12	8	8
cheerily	5	28	14	35	14	children	AA	M	M	M	M

Chile to cipher

	G	T	L	J	S		G	T	L	J	S
Chile	9	57	3	8	100	christening (n.)	2	7	6	10	13
Chilean	1	11	0	0	24	Christian	A	290	143	290*	619
chili	1	1	13	3	4	Christiania	1	6	1	12	12
chill	43	210	310	194*	61	Christianity	8	16	28	11	104
chilly	6	50	31	28	13	Christianize	1	10	2	0	6
chime	11	130	31	22	26	Christmas	A	700	430	421*	133
chimney	30	250	91	139*	75	Christopher	5	50	20	18	18
chin	27	130	224	69	66	chrome	1	7	3	0	8
China (c)	A	245	225	245*	572	chromium	1	3	10	1	4
Chinaman	3	12	9	7	28	chronic	3	18	29	0	19
Chinatown	1	1	14	0	12	chronically	1	0	5	1	20
Chinese	45	90	249	26	450	chronicle (C)	12	90	13	8	116
chink	7	57	9	54	17	chronicler	2	16	2	11	18
chintz	4	10	69	3	1	chronological	1	8	4	1	13
chip	17	115	109	69	21	chronology	1	10	0	2	10
chipmunk	7	6	5	118	8	chrysalis	2	16	10	20	6
chirp	8	90	17	39	14	chrysanthemum	1	8	16	6	3
chirrup	1	8	2	6	3	chub	1	3	2	16	1
chisel	9	57	30	61	17	chubby	3	5	33	13	4
chivalrous	4	28	21	12	15	chuck	9	57	68	38	8
chivalry	10	57	19	64	52	chuckle	16	57	129	91	24
chloride	2	12	2	8	31	chug	1	5	14	1	2
chlorine	3	10	0	3	49	chum	4	16	35	24	9
chloroform	1	16	8	2	8	chunk	3	4	23	14	17
chlorophyl (ll)	2	28	0	0	9	church	AA	M	548	?	997
chock	3	1	47	5	2	Churchill	4	6	5	0	64
chocolate	20	130	184	25	24	churchman	6	50	5	6	50
choice	A	320	309	310*	299	churchyard	6	57	3	31	27
choir	12	115	30	34	39	churl	1	16	0	12	1
choke	27	130	197	109	53	churlish	1	12	1	7	2
cholera	4	50	9	10	13	churn	4	14	27	25	15
choleric	1	14	2	2	2	chute	2	4	26	3	11
choose	A	350	227	259*	200	cicada	2	7	2	36	2
chop	29	210	147	131*	42	Cicero	4	18	11	5	38
Chopin	2	0	7	22	8	Cid	2	6	0	32	4
chopper	2	14	20	2	1	cider	5	57	25	11	6
choral	1	16	5	5	7	cigar	16	90	137	9	58
chord	8	57	36	32	28	cigarette	22	18	332	7	48
chore	3	12	37	7	13	cilia	1	18	0	0	4
chorus	17	57	96	83	80	Cilicia (n)	1	11	0	0	14
chose	A	350	219	255*	200*	cinch	1	6	17	2	0
chosen	A	350	219	255*	195*	Cincinnati	11	50	35	22	92
chow	1	3	14	0	2	cinder	6	57	15	13	23
chowder	1	4	16	1	3	Cinderella	6	90	14	9	0
Christ	30	160	36	85	259	cinema	2	6	22	0	24
christen	3	11	22	15	22	cinnamon	6	18	82	7	10
Christendom	3	18	6	15	25	cipher	3	12	4	21	17

circa to cleft

	G	T	L	J	S		G	T	L	J	S
circa	1	1	1	0	26	clandestine	1	10	7	2	8
Circe	3	50	1	0	7	clang	7	90	17	21	14
circle	AA	700	388	379*	369	clank	2	10	11	19	4
circlet	1	11	1	4	8	clap	22	230	24	100*	47
circuit	21	115	47	35	185	clapboard	1	10	7	5	6
circuitous	1	11	3	4	10	clapper	1	10	2	4	5
circular	21	130	71	66	120	Clara	12	16	92	38	70
circulate	11	50	40	27	88	Clare	2	3	36	0	2
circulation	16	57	58	15	173	Clarence	5	57	22	4	10
circumference	6	50	8	17	37	claret	1	10	6	2	9
circumnavigate	1	12	1	10	8	clarify	1	4	14	0	11
circumscribe	1	14	3	0	7	clarion	1	10	5	4	14
circumspect	1	12	3	3	7	clarity	1	4	14	0	10
circumspection	1	10	4	5	6	Clark	12	28	72	59	72
circumstance	A	210	316	210*	505	Clarke	2	2	10	2	34
circumstantial	2	12	8	6	11	clash	12	90	37	39	55
circumvent	2	10	10	10	9	clasp	27	210	109	125*	57
circus	16	90	110	54	41	class	AA	700	687	700*	M
cistern	3	57	1	5	7	classic	15	115	74	11	85
citadel	4	18	9	5	44	classical	9	57	20	5	91
citation	1	12	9	1	6	classification	6	57	15	1	49
cite	10	57	30	9	93	classify	6	18	27	5	66
citizen	A	260	332	414*	650	classmate	3	11	27	8	12
citizenship	9	18	62	47	50	classroom	3	8	41	6	0
citron	2	18	11	2	5	clatter	15	90	52	99	39
city	AA	M	M	M	M	Claude	?	3	163	0	24
civic	8	27	63	18	42	Claudius	1	7	2	1	10
civil	A	210	150	210*	413	Claus (see Santa Claus)					
civilian	6	8	25	3	74	clause	9	90	13	4	66
civility	6	28	58	12	18	claw	23	90	60	260	21
civilization	35	57	107	126	343	clay	43	270	108	270*	138
civilize	2	6	7	10	14	clean	AA	700	781	615*	363
civilized (adj.)	17	51	60	81	129	cleaner	6	50	63	0	6
civil service	1	0	3	0	26	cleanliness	8	57	45	26	28
clack	1	4	7	12	3	cleanly	8	57	45	26	18
clad	23	130	48	191	60*	cleanse	10	115	36	23	23
claim	AA	400	364	400*	677	clear	AA	M	587	?	870
claimant	1	10	5	6	14	clearance	1	11	3	4	17
Clair	5	1	78	0	26	clearing (n.)	9	?	50	?	50
Claire	4	2	11	62	4	clearly	A	?	260	?	222
clam	7	57	34	22	16	clearness	4	16	11	13	32
clamber	5	18	20	47	19	cleat	2	6	10	23	1
clammy	1	4	8	5	1	cleavage	3	8	3	28	23
clamor	14	115	42	54	52	cleave	9	115	3	10	43
clamorous	4	50	7	13	9	cleaver	1	12	1	7	0
clamp	4	28	37	15	8	cleft	7	57	6	51	12
clan	8	28	53	37	26						

clematis to cobbler

	G	T	L	J	S		G	T	L	J	S
clematis	1	7	14	10	2	clot	2	14	17	4	9
clemency	1	14	6	4	2	cloth	A	700	275	330*	216
Clemens	?	2	1	1	317	clothe	A	300	48	300*	274
clench	8	28	89	29	11	clothes (n.)	AA	700	M	700*	257
Cleopatra	3	16	13	12	26	clothing (n.)	A	400	200	400*	227
clergy	9	50	17	10	89	cloud	AA	700	367	514*	475
clergyman	12	57	47	32	81	cloudburst	1	3	12	1	4
clerical	4	16	12	3	41	cloudless	3	18	9	9	20
clerk	A	300	226	227*	154	cloudy	12	160	20	15	24
Clermont	2	3	0	23	18	clough (C)	1	2	11	1	6
Cleveland	22	90	85	14	222	clout	1	14	2	7	7
clever	33	120	225	157	92	clove	8	90	44	10	4
cleverly	2	10	22	12	7	clover	12	115	29	44	31
cleverness	3	10	19	16	14	clown	5	57	19	17	12
clew	2	16	16	9	2	cloy	2	28	3	3	4
click	10	18	91	50	31	club	AA	290	999	290*	383
client	13	57	134	13	37	clubhouse	1	3	14	3	6
clientele	1	3	16	0	3	cluck	10	115	17	58	2
cliff	38	210	158	210*	112	clue	4	7	54	6	14
Clifford	6	57	51	7	8	clump	9	28	75	63	11
climate	41	230	127	187*	203	clumsily	2	7	18	9	6
climatic	2	12	9	5	21	clumsy	10	43	41	80	28
climax	8	50	65	8	32	clung	18	57	146	71	50
climb	A	420	528	387*	212	Cluny	1	14	0	2	8
climber	3	8	31	17	4	cluster	23	160	65	104	92
clime	7	90	7	10	25	clutch	21	90	167	89	48
clinch	3	7	25	13	18	clutter	2	6	33	0	2
cling	24	90	172	111	68	Clyde	3	6	31	5	20
clinic	6	16	75	1	26	Co. or (co.)	4	14	54	0	10
clinical	1	10	7	0	11	coach	42	245	205	192*	126
clink	4	28	14	10	21	coachman	6	57	7	42	15
Clinton	12	14	19	3	182	coagulate	1	16	4	0	9
clip	16	130	111	18	35	coal	AA	700	291	554*	671
clipper	1	10	17	1	5	coalition	3	10	8	2	38
clipping (n.)	3	5	41	4	4	coarse	28	215	91	135	74
clique	1	1	17	0	13	coarsely	2	20	10	10	4
cloak	28	250	62	126*	66	coarseness	1	16	3	4	6
clock	A	700	235	393*	244	coast	A	?	279	?	446
clockwork	2	7	9	10	10	coastal	2	14	6	1	24
clod	4	57	8	16	4	coast guard	1	1	0	0	18
clog	4	16	15	17	25	coat	AA	700	896	700*	137
cloister	6	28	24	37	25	coating (n.)	1	2	19	3	3
close	AA	M	M	M	M	coax	10	50	68	62	15
closely	A	?	223	?	238	cob	2	28	10	4	6
closeness	2	18	9	5	13	cobalt	1	8	5	0	8
closet	20	160	164	29	23	cobble	2	11	3	14	9
close-up	1	2	13	0	3	cobbler	8	90	9	18	32

cobblestone to column

	G	T	L	J	S		G	T	L	J	S
cobblestone	1	4	7	10	7	cole (C)	2	7	3	0	36
cobra	1	6	8	4	2	Coleridge	2	11	0	14	28
cobweb	5	50	16	15	14	collaborate	1	3	10	2	9
cocain (e)	1	6	3	0	13	collaboration	1	4	11	0	16
cock	37	340	63	204*	68	collaborator	1	3	7	4	7
cockade	1	6	0	13	4	collapse	16	50	126	24	93
cockle	2	18	1	17	8	collar	44	280	243	200*	74
cockpit	2	3	29	3	14	collateral	2	14	14	0	21
cockroach	1	12	1	3	8	colleague	8	50	35	7	62
cocktail	8	6	145	2	4	collect	A	260	233	260*	363
cocky	1	2	17	4	2	collection	47	160	163	160*	369
coco	2	3	6	0	31	collective	4	9	26	2	51
cocoa	9	57	61	11	47	collectively	1	2	7	2	12
coconut (oan)	8	57	82	5	0	collector	7	28	48	8	42
cocoon	3	18	13	25	6	college	AA	400	930	400*	816
cod (C)	10	115	39	8	34	collegiate	1	12	6	0	9
coddle	2	6	28	1	3	collide	2	10	24	2	8
code	21	50	180	14	141	collie	3	7	49	8	0
codfish	1	14	9	10	0	collier	1	11	9	4	1
coefficient	1	5	0	0	13	colliery	1	11	1	3	10
coerce	1	16	3	4	11	Collins	5	3	57	0	40
coercion	1	8	3	3	7	collision	4	28	21	12	26
coffee	A	330	580	345*	125	colloquial	1	11	3	0	10
coffer	3	28	6	5	24	colloquy	1	11	7	0	9
coffin	11	90	50	25	39	collusion	1	14	0	0	9
cog	1	12	13	3	7	cologne (C)	5	57	5	3	30
cogent	1	11	3	0	5	colon	2	28	4	0	10
cogitation	1	12	1	1	4	colonel	A	57	374	113	502
cognac	1	4	1	7	8	colonial	20	90	107	35	133
cognizance	1	10	5	0	13	colonist	16	130	9	44	108
coherent	1	11	9	4	7	colonization	3	11	2	9	44
cohesion	1	8	1	1	8	colonize	2	7	2	11	17
cohort	1	14	8	0	10	colonnade	2	14	6	2	20
coif	1	1	5	14	1	colony	A	300	92	314*	551
coil	13	90	54	49	49	color (ed, ing)	AA	M	M	M*	958
coin	A	300	85	242*	342	Colorado	17	90	61	36	132
coinage	9	50	5	4	116	coloration	1	10	4	3	2
coincide	3	16	13	8	23	colorful	7	3	97	0	26
coincidence	6	28	42	14	31	colorless	4	18	33	11	26
coincident	1	12	7	0	8	colossal	8	57	37	6	49
coke (C)	5	11	15	25	39	Colosseum	1	11	2	1	8
Col.	1	6	13	1	2	colossus	1	7	2	2	9
Colbert	1	5	2	2	11	colt	21	220	27	120*	20
Colchis	1	2	0	9	8	Columbia	24	126	43	30	236
cold	AA	M	M	M*	764	columbine (C)	1	10	8	7	3
coldly	12	?	91	?	24	Columbus	29	210	57	133*	132
coldness	3	16	19	12	15	column	49	210	171	210*	307

columnist to compass

	G	T	L	J	S		G	T	L	J	S
columnist	1	0	14	0	16	commercially	2	10	11	0	16
coma	1	4	15	0		commingle	1	8	2	5	9
Comanche	1	0	27	5	2	commiseration	1	14	1	3	2
comb	19	130	96	81	45	commissar	1	2	12	0	5
combat	18	130	36	73	101	commissary	1	10	0	13	11
combatant	3	18	5	18	25	commission	A	156	190	100	588
comber	1	5	14	0	0	commissioned					
combination	40	160	250	116	208	(adj.)	1	4	5	3	18
combine	A	210	372	210*	300	commissioner	25	115	111	38	191
combustible	1	11	1	8	9	commit	39	160	184	160*	213
combustion	9	57	9	48	57	commitment	1	2	11	0	11
come	AA	M	M	M	M	committee	A	160	439	109	733
comeback	1	0	29	1	3	commodious	2	18	6	5	15
comedian	3	12	33	0	22	commodity	18	57	50	7	224
comedy	17	90	126	25	76	commodore	4	12	54	7	9
comeliness	3	50	2	6	4	common	AA	700	568	857*	M
comely	5	57	7	23	18	commoner	1	11	10	1	4
comer	3	16	16	20	13	commonly	19	70	50	39	194
comestible	11	0	1	0	1	commonplace	9	16	66	20	70
comet	15	57	47	107	66	common sense	5	18	14	15	53
comfort	A	390	508	390*	315	commonwealth					
comfortable	A	230	348	237*	134	(C)	11	90	21	12	75
comfortably	11	50*	78	52*	27	commotion	7	57	27	35	23
comforter	5	90	4	6	6	communal	2	8	7	0	26
comfortless	1	18	3	4	1	commune	7	57	9	14	54
comic	7	14	60	19	45	communicate	13	57	36	43	102
comical	4	18	14	43	10	communication	25	115	50	58	234
coming	AA	700	M	?	800*	communion	6	57	14	9	43
comma	1	11	5	3	4	communism	2	8	11	0	24
command	AA	700	301	609*	825	communist	14	10	75	0	180
commandant	2	10	1	6	25	communistic	1	3	7	0	8
commandeer	1	3	7	4	4	community	A	115	441	91	463
commander	32	115	61	123	293	commute	1	7	14	3	9
commandment	6	57	16	4	45	commuter	1	0	8	0	10
commemorate	4	28	5	5	41	Como	1	3	1	0	17
commemoration	1	11	2	1	10	compact	13	84	60	40	53
commence	22	160	82	56	102	companion	A	330	603	330*	313
commencement	4	18	25	6	28	companionable	1	6	22	2	3
commend	13	160	20	23	47	companionship	12	50	110	38	31
commendable	1	4	15	1	15	company	AA	M	802	M*	M
commendation	4	50	9	4	16	comparable	5	14	30	7	49
commensurate	1	8	9	1	7	comparative	7	18	34	16	69
comment	38	57	287	33	309	comparatively	24	72	81	92	204
commentary	5	28	8	0	60	compare	A	430	223	357*	419
commentator	3	14	13	1	27	comparison	25	130	95	68	172
commerce	A	290	117	277*	424	compartment	5	18	43	17	26
commercial	43	150	152	45	427	compass	28	245	35	129*	107

compassion to conclusive

	G	T	L	J	S		G	T	L	J	S
compassion	9	90	17	35	20	comprehend	16	115	65	46	68
compassionate	4	50	13	7	10	comprehension	4	16	20	9	33
compatible	1	10	7	0	16	comprehensive	7	50	18	7	52
compatriot	2	12	4	2	21	compress	5	26	21	11	32
compeer	1	12	0	4	16	compressed (adj.)	4	24	15	10	33
compel	A	235	145	235*	317	compression	2	11	0	5	21
compensate	6	28	27	12	50	comprise (ze)	11	57	17	18	123
compensation	13	50	57	23	108	compromise	17	57	71	40	141
compete	11	50	51	19	90	comptroller	1	12	7	8	4
competence	2	18	15	1	8	compulsion	3	16	19	8	20
competency	1	11	1	0	7	compulsory	7	50	23	4	66
competent	10	28	69	17	82	compunction	1	14	4	1	5
competition	28	57	163	25	268	computation	1	14	3	0	16
competitive	8	28	39	1	84	compute	5	50	18	7	23
competitor	10	50	47	13	87	comrade	26	130	104	146	100
compilation	1	4	2	0	15	comradeship	1	2	17	3	6
compile	5	16	23	5	51	Comte	1	3	1	0	18
complacency	2	14	7	5	13	con	2	16	19	8	9
complacent	1	9	13	3	10	concave	3	57	2	6	5
complacently	1	9	15	4	6	conceal	39	200	161	180*	175
complain	44	240	210	200*	146	concealment	4	18	18	19	22
complaint	22	115	102	57	132	concede	9	28	58	10	66
complement	5	57	24	10	11	conceit	5	54	16	8	24
complementary	2	11	5	1	19	conceited	3	36	15	13	6
complete	AA	700	692	700*	900	conceivable	5	10	32	6	43
completely	A	300*	494	300*	250	conceivably	1	2	8	0	16
completeness	2	7	7	4	20	conceive	25	160	79	41	184
completion	7	18	30	26	58	concentrate	19	57	149	25	124
complex	13	57	77	11	92	concentration	10	50	47	7	76
complexion	14	90	92	28	44	concentric	1	14	5	2	12
complexity	3	18	12	2	25	concept	3	10	19	0	42
compliance	1	16	3	1	11	conception	19	57	73	31	188
complicate	2	10	16	6	19	concern	A	230	450	230*	573
complicated (adj.)	13	40	88	25	90	concerned (adj.)	11	30	131	30*	17
complication	5	18	43	5	41	concerning (prep.)	34	130	110	130*	258
compliment	17	90	95	53	82	concert	21	110	110	56	109
complimentary	2	14	12	7	12	concerted (adj.)	3	20	9	1	31
comply	9	90	10	18	51	concerto	1	6	0	6	6
component	3	18	5	12	34	concession	10	28	51	5	112
compose	31	105	105	125	231	conciliate	2	14	2	7	22
composed (adj.)	7	25	22	32	50	conciliation	2	16	5	2	23
composedly	1	3	7	9	0	conciliatory	1	10	2	1	18
composer	8	10	21	71	59	concise	2	16	9	2	13
composite	3	12	7	4	37	conclave	1	11	5	0	4
composition	19	115	47	61	120	conclude	A	235	138	235*	333
composure	5	50	20	14	15	conclusion	39	90	179	99	351
compound	22	90	39	73	202	conclusive	2	8	10	3	20

conclusively to connection

	G	T	L	J	S		G	T	L	J	S
conclusively	2	8	11	6	15	confidently	4	22	32	20	14
concoct	1	12	14	1	5	confidential	5	18	47	13	24
concomitant	1	8	8	1	7	confidentially	3	10	32	4	12
concord (C)	10	81	17	38	54	configuration	1	6	1	1	12
concourse	1	14	0	11	8	confine	29	130	122	55	232
concrete	15	57	84	20	121	confinement	4	12	23	25	24
concur	2	12	7	2	25	confirm (ed)	20	130	70	48	115
concurrence	1	12	1	2	7	confirmation	6	57	18	7	31
concussion	1	12	12	9	2	confiscate	5	50	11	8	28
Condé	1	0	11	0	10	confiscation	2	10	4	4	22
condemn	34	200	89	153*	170	conflagration	2	16	5	5	18
condemnation	4	50	0	5	30	conflict	30	115	85	76	277
condensation	3	28	11	6	21	confluence	2	11	0	0	34
condense	29	57	358	39	70	conform	7	50	23	4	52
condenser	4	57	3	10	17	conformity	4	50	7	1	16
condescend	4	28	14	10	24	confound	11	130	19	19	37
condescension	1	14	6	8	6	confront	15	18	105	46	109
condiment	1	8	10	3	0	Confucius	1	0	3	0	20
condition	AA	700	855	700*	M	confuse	25	90	167	85	112
conditional	2	16	3	2	17	confusedly	1	6	10	7	5
condolence	1	8	6	5	5	confusion	36	160	148	159	196
condone	1	4	6	2	16	congeal	1	18	9	3	5
conduce	1	16	1	0	1	congenial	6	57	36	12	20
conductive	2	14	9	2	14	congest (ed)	2	16	12	2	11
conduct	A	290	266	290*	545	congestion	3	18	14	2	21
conduction	1	6	0	0	13	conglomerate	1	5	1	10	10
conductivity	1	4	1	0	22	Congo	1	7	6	2	16
conductor	16	90	91	34	76	congratulate	12	90	47	37	45
conduit	2	28	5	1	3	congratulation	5	57	12	11	19
cone	7	57	24	30	31	congregate	4	50	6	5	15
coney	1	4	11	20*	0	congregation	8	90	20	20	27
confection	1	12	9	1	0	congregational (C)	1	7	2	0	15
confectioner	1	12	15	0	5	congress	A	240	229	240*	854
confectionery	1	12	3	3	3	congressional	7	16	32	7	74
confederacy	6	57	8	11	46	congressman	8	12	60	12	72
confederate	16	57	21	108	112	conical	1	10	2	7	13
confederation	5	28	3	11	49	conifer	1	11	2	0	6
confer	18	130	55	42	107	conjecture	7	57	8	13	54
conference	48	115	250	31	483	conjugal	1	10	5	1	6
confess	44	220	220	200*	159	conjugate	1	18	0	2	4
confession	16	90	113	27	65	conjugation	1	28	0	4	3
confessor	3	28	10	12	6	conjunction	6	50	16	6	46
confetti	1	1	19	2	0	conjure	6	57	19	11	22
confidant	2	28	2	3	3	Connaught	1	0	0	0	30
confide (ing)	11	28	100	40	30	connect	A	320	144	295*	446
confidence	A	160	285	170	321	Connecticut	22	90	88	49	174
confident	15	68	92	47	72	connection	47	160	189	81	425

connective to contemplative

	G	T	L	J	S		G	T	L	J	S
connective	1	12	2	0	12	conspicuous	16	51	59	43	136
connive	1	10	3	1	5	conspicuously	2	6	13	8	10
connoisseur	3	11	27	2	18	conspiracy	12	90	40	18	79
conquer	41	280	91	186*	186	conspirator	4	28	20	20	14
conqueror	15	130	28	52	73	conspire	5	57	16	7	21
conquest	26	160	38	63	217	constable (C)	11	57	73	56	25
Conrad	2	11	10	1	26	Constance	6	11	92	6	10
conscience	37	210	134	168*	159	constancy	4	50	4	3	26
conscientious	5	22	25	7	41	constant	49	190*	212	190*	301
conscientiously	1	6	18	3	6	Constantine	4	11	8	13	50
conscious	32	111	299	44	127	Constantinople	10	50	12	24	96
consciously	2	4	43	0	4	constantly	40	130*	273	130*	202
consciousness	16	57	143	29	62	constellation	5	50	3	33	21
conscript	1	12	4	1	7	consternation	4	13	25	14	20
conscriptio	2	18	7	2	9	constipation	1	13	10	0	5
consecrate	8	90	11	12	32	constituency	1	10	5	0	7
consecration	4	57	2	2	18	constituent	8	28	14	31	76
consecutive	3	18	15	2	31	constitute	27	90	93	36	268
consensus	1	4	11	0	11	constitution	46	160	43	104	523
consent	A	350	142	232*	204	constitutional	14	50	25	23	168
consequence	43	160	152	114	352	constrain (ed)	6	57	13	22	18
consequent	7	30	16	36	57	constraint	2	16	11	6	7
consequently	17	60	58	37	163	construct	31	160	81	107	226
conservation	7	57	39	7	36	construction	37	130	134	72	340
conservatism	1	8	4	1	19	constructive	7	8	55	5	69
conservative (C)	19	57	106	8	175	construe	3	28	4	8	16
conservatory	1	16	5	6	8	consul	16	57	122	26	91
conserve	6	50	36	2	23	consular	2	11	5	0	20
consider	AA	390	997	390*	M	consulate	1	4	12	0	15
considerable	A	130	211	193	674	consult	27	160	132	71	127
considerably	14	50	72	31	114	consultation	8	57	23	27	40
considerate	4	16	43	12	16	consume	23	130	110	49	128
consideration	44	130	188	88	394	consumer	18	28	115	7	176
considered (adj.)	1	4	10	4*	11	consummate	5	50	9	5	26
considering (prep.)	6	16	42	16*	45	consummation	1	13	2	1	18
consign	5	57	11	12	17	consumption	14	57	43	13	149
consignment	2	18	4	6	9	contact	31	57	229	76	207
consist	A	280	200	280*	605	contagion	2	18	15	2	11
consistency	4	28	22	6	32	contagious	5	50	36	6	8
consistent	7	32	29	9	73	contain	AA	700	373	700*	M
consistently	4	18	17	5	40	container	8	14	80	14	40
consolation	5	6	35	29	35	contaminate	3	50	5	2	10
console	9	50	57	27	30	contamination	1	12	5	1	5
consolidate	6	28	23	2	67	contemn	1	18	1	1	0
consolidation	2	10	5	1	36	contemplate	15	57	75	32	123
consonant	3	50	4	0	10	contemplation	6	57	20	10	36
consort	5	57	16	11	9	contemplative	1	14	7	2	2

contemporaneous to cookbook

	G	T	L	J	S		G	T	L	J	S
contemporaneous	1	18	0	0	3	contrition	1	10	9	0	4
contemporary	15	57	52	16	145	contrivance	5	50	6	21	23
contempt	18	115	84	30	98	contrive	10	57	45	31	57
contemptible	4	57	14	6	11	control	AA	260	502	260*	903
contemptuous	5	33	26	10	21	controller	2	11	2	1	25
contemptuously	4	24	28	11	12	controversial	1	8	5	0	14
contend	18	130	47	34	124	controversy	12	57	25	7	141
content	A	268	229	268*	260	contumely	1	11	0	1	6
contented	12	47	77	47*	45	convalescence	2	7	18	1	12
contentedly	1	7*	4	7	0	convalescent	2	12	8	2	14
contention	8	57	6	16	66	convene	2	28	2	0	15
contentious	1	18	2	0	1	convenience	16	90	71	39	88
contentment	8	50	69	16	24	convenient	32	162	121	162*	146
contents	21	105	81	105	100	conveniently	7	38	26	38*	36
contest	31	160	98	111	197	convent	14	90	49	67	47
contestant	2	3	19	9	12	convention	A	130	251	117	480
context	1	10	7	0	9	conventional	9	28	64	21	55
contiguous	1	12	2	1	10	converge	2	14	12	4	16
continent	45	230	96	230*	268	conversant	2	28	4	3	7
continental	14	50	36	32	149	conversation	A	210	400	210*	237
contingency	2	12	13	3	24	conversational	2	4	29	2	6
contingent	2	11	8	2	27	converse	11	80	35	32	58
continual	13	120	25	40	49	conversely	1	10	7	2	8
continually	19	40	103	99	115	conversion	6	50	18	5	44
continuance	5	57	9	8	32	convert	25	115	82	61	192
continuation	5	50	13	6	35	converter	1	3	0	11	16
continue	AA	700	M	?	M	convertible	1	6	11	1	14
continuity	2	12	13	2	22	convex	1	8	7	5	6
continuous	20	87	76	49	155	convey	21	115	44	76	151
continuously	7	28	39	13	56	conveyance	6	57	13	5	34
contortion	1	14	5	4	3	conveyer (or)	1	3	14	0	10
contour	4	28	21	3	31	convict	15	57	87	18	108
contraband	2	8	3	4	25	conviction	24	28	199	33	178
contract	A	195*	307	195*	241	convince	45	134	288	115	285
contracted (adj.)	3	15	22	15	18	convincing (adj.)	6	20	41	16	41
contraction	7	50	13	4	72	convincingly	1	4	10	0	4
contractor	5	18	50	6	22	convivial	1	6	6	4	5
contractual	1	2	1	0	16	convocation	2	28	3	0	9
contradict	6	50	26	21	15	convolution	1	11	1	1	6
contradiction	5	50	15	8	26	convoy	3	18	7	10	23
contradictory	2	8	7	5	31	convulse	2	11	12	12	7
contrary	46	230	133	210*	263	convulsion	3	28	13	14	12
contrast	33	115	176	68	252	convulsive	1	7	7	4	5
contribute	34	90	186	45	294	convulsively	1	9	12	4	4
contribution	19	57	117	22	158	coo	7	57	20	39	12
contributor	4	14	18	2	45	cook	AA	700	M	700*	285
contrite	2	28	17	2	2	cookbook	2	1	32	8	0

cooker to corrode

	G	T	L	J	S		G	T	L	J	S
cooker	1	7	13	0	1	cork	11	80	45	37	38
cookery	5	14	60	5	16	Cork	1	10	2	0	12
cookie	7	37	72	13	9	corkscrew	1	12	3	2	9
cooky	3	20	30	4	6	cormorant	3	28	0	11	15
cool	AA	660	539	660*	228	corn (ed)	A	M	227	?	294
cooler	2	7	27	1	8	Cornelia	4?	2	73	9	4
Coolidge	20?	3	47	3*	318	Cornelius	1	12	1	1	8
coolie	3	7	19	4	28	corner	AA	700	899	700*	379
coolly	7	40	37	40	14	cornerstone	1	5	5	5	15
coolness	4	6	33	21	27	cornet	2	12	9	11	5
coon	13	14	57	103	72	cornfield	3	16	12	29	10
coop	3	6	24	16	8	cornflower	1	5	7	7	4
cooper (C)	4	19	13	9	32	Cornhill	1	2	2	20	8
cooperate	10	28	40	8	120	cornice	2	18	17	4	9
cooperation	20	50	108	7	209	Cornish	2	14	2	12	22
cooperative	8	28	36	9	82	cornstalk	1	2	3	4	11
coordinate	4	28	19	0	35	cornstarch	2	3	37	0	0
coordination	1	10	7	1	15	cornucopia	1	4	6	14	0
coot	1	11	1	8	2	Cornwall	12	16	2	33	166
cop	7	3	112	6	12	Cornwallis	12	2	1	12	212
cope	10	57	63	10	59	corolla	1	16	0	11	8
Copenhagen	1	12	0	15	0	corona	2	5	3	9	28
coping (n.)	1	16	3	2	0	coronation	5	50	2	14	36
copious	3	38	6	3	18	coroner	1	7	15	1	4
copiously	1	19	5	1	5	coronet	4	57	9	5	14
copper	46	250	124	250*	210	Corot	1	0	7	0	18
coppery	1	0	13	2	4	corporal	6	57	17	31	19
copse	3	50	2	14	5	corporate	2	16	19	0	14
copy	A	330	276	285*	248	corporation	33	90	195	17	299
copybook	1	1	3	6	10	corps	14	28	56	22	158
copyright	7	14	45	1	78	corpse	9	57	16	42	58
coquetry	1	10	5	1	3	corpuscule	2	28	3	6	5
coquette	1	12	8	5	0	corral	2	11	18	14	6
Cora	15?	1	212	3	64	correct	A	275	280	250*	196
coracle	1	7	0	3	18	correctly	11	65	59	51	28
coral	19	90	159	51	44	correction	7	57	32	10	38
cord	30	195	76	195	88	corrective	1	4	11	2	7
cordage	1	10	7	2	7	correlate	1	8	3	3	17
Cordelia	1	7	13	5	2	correspond	15	74	25	38	137
cordial	15	150	35	27	60	correspondence	17	115	45	14	132
cordiality	2	11	22	2	9	correspondent	31	50	70	8	435
cordially	5	50	0	19	26	corresponding					
Cordovan	1	5	1	1	14	(adj.)	8	41	14	21	77
corduroy	1	13	13	5	3	correspondingly	1	3	2	9	12
core	7	57	38	19	29	corridor	15	57	170	19	32
Corinth	3	14	0	35	14	corroborate	2	18	11	1	10
Corinthian (s)	3	18	1	6	44	corrode	1	28	7	5	10

corrosive to cowardly

	G	T	L	J	S		G	T	L	J	S
corrosive	1	16	2	6	6	counterpart	2	16	10	6	13
corrugated (adj.)	1	8	9	1	6	counterpoint	2	5	2	5	41
corrupt	12	115	21	16	78	counterrevolution	3	20	37	0	8
corruption	8	57	15	14	75	countess	5	16	22	26	32
corsair	1	10	2	1	9	countinghouse	1	6	1	2	9
corse	1	28	0	1	5	countless	13	57	71	56	60
corselet	1	8	2	9	1	country	AA	M	M	M	M
corset	5	57	29	1	3	countryman	13	57	22	63	96
Corsica (n)	3	11	3	23	24	countryside	6	7	58	39	18
cortege (ège)	1	2	3	2	14	county	A	235	197	235*	524
Cortes (z)	1	3	5	6	14	coup	2	12	8	0	29
cortex	1	14	0	0	7	coupé	2	10	30	0	1
cosmetic	2	5	37	0	3	couple	A	245	577	245*	200
cosmic	2	6	23	1	15	couplet	1	7	3	0	9
cosmopolitan	3	28	13	1	12	coupling (n.)	2	28	4	7	0
cosmos	1	12	6	0	4	coupon	1	16	7	0	11
Cossack	2	14	5	13	15	courage	A	270	349	270*	293
cost	AA	700	903	700*	M	courageous	8	45	45	26	37
costliness	2	6	37	1	0	courageously	1	12	2	6	8
costly	28	230	65	130*	96	courier	4	16	9	11	45
costume	25	90	248	34	78	course	AA	M	M	M	M
cosy	1	1	6	9	10	courser	1	14	11	0	2
cot	15	130	87	38	22	court	AA	700	701	700*	M
cote (C)	2	11	1	1	39	courteous	10	61	38	52	31
coterie	1	10	4	2	9	courtteously	4	29	23	25	10
cottage	46	240	254	240*	98	courtesy	19	90	84	95	176
cotton	AA	340	577	340*	565	courthouse	4	11	25	16	33
cottonseed	1	12	11	0	4	courtier	10	115	12	34	20
cottonwood	2	7	17	7	9	courtly	3	12	11	31	6
cotyledon	7	28	0	79	19	court-martial	3	5	17	3	30
couch	28	210	108	127*	62	courtroom	3	0	37	2	16
cough	18	130	85	78	39	courtship	4	18	28	16	19
could	AA	M	M	M	M	courtyard	12	16	28	145	34
couldn't	AA	160	M	244	?	cousin	A	350	316	350*	192
couldst	30	220	0	200*	?	cove	5	28	30	16	29
coulée	1	0	1	0	24	covenant	8	57	14	9	80
council	A	290	83	290	483	Coventry (c)	?	0	0	33	4
councilor (ll)	5	12	1	71	14	cover	AA	M	M	M*	M
counsel	40	230	84	230*	190	coverlet	4	18	16	38	8
counselor (ll)	8	50	31	34	30	covert	3	4	4	33	29
count	AA	700	604	700*	542	covertly	1	0	16	3	0
countenance	26	130	59	107	179	covet	9	90	32	42	6
counter	18	90	117	37	90	covetous	3	50	2	0	6
counteract	5	50	14	5	31	cow	A	700	218	358*	155
counterbalance	2	11	2	2	22	coward	22	160	71	103	73
counterfeit	7	50	49	7	28	cowardice	5	57	14	17	15
counterpane	1	8	8	5	6	cowardly	7	57	26	36	23

cowboy to crinkle

	G	T	L	J	S		G	T	L	J	S
cowboy	6	28	40	19	23	creak	9	57	43	37	27
cower	3	14	12	18	17	cream	A	340	802	340*	40
cowhide	1	7	5	5	3	creamery	1	18	6	0	4
cowl	5	57	22	8	13	creamy	5	28	55	7	3
Cowper	1	5	2	1	18	crease	3	16	23	5	11
cowslip	3	50	2	12	4	create	A	240	415	240*	524
Cox	5	57	12	3	28	creation	23	130	74	44	166
coxcomb	1	18	0	4	4	creative	6	16	62	5	33
coxswain	1	4	0	0	28	creator	8	57	27	7	56
coy	2	28	14	3	5	creature	A	410	262	410*	324
coyote	9	12	28	94	28	credence	1	10	2	4	6
cozy	7	29	55	12	37	credentials	1	12	7	3	13
crab (C)	16	115	73	91	22	credible	1	11	5	3	15
crabbed (adj.)	1	6	4	8	4	credit	A	235	294	235*	548
crack	48	252	260	252*	102	creditable	2	14	13	9	14
cracked (adj.)	5	28	29	28*	10	creditor	12	57	47	17	95
cracker	12	57	113	19	31	credulity	4	57	8	1	11
crackle	9	90	26	40	21	credulous	3	50	8	4	8
cradle	21	160	45	116	65	creed	14	50	39	12	152
craft	21	90	104	79	113	creek (C)	27	130	161	93	102
craftsman	3	18	9	13	22	creep	36	310	93	190*	70
crafty	6	50	8	35	18	creeper	1	13	4	1	9
crag	8	57	11	70	23	Creole (c)	2	7	8	24	2
craggy	1	12	4	6	3	crepe (crêpe)	8	57	85	8	4
Craig	6?	6	92	11	6	crept	31	160	163	179*	67
cram	6	57	31	18	16	crescent	6	57	18	31	17
cramp	8	50	50	20	33	cress	2	11	22	11	5
cranberry	5	18	52	12	9	crest	18	130	45	69	85
crane	9	57	43	25	47	crestfallen	1	7	8	7	8
crank	8	50	37	22	39	Cretaceous	3	4	1	0	53
cranny	2	18	12	17	4	Cretan	2	7	0	16	20
crape	1	18	6	0	8	Crete	4	14	2	30	36
crash	34	130	295	95	95	cretonne	1	18	13	0	2
crass	1	3	14	1	4	crevasse	1	3	11	5	11
crate	7	57	42	18	24	crevice	8	50	19	72	12
crater	4	12	14	26	22	crew	46	245	179	210*	206
cravat	5	57	5	5	23	crib	6	57	46	6	9
crave	14	100	74	50	44	cricket	14	115	17	78	54
craven	3	28	10	11	10	cried	A	700	118	425*	150*
craving (n.)	4	30	24	16	14	crier	1	11	1	6	10
crawfish	1	8	2	12	3	crime	A	240	312	240*	334
crawl	31	160	168	148	94	Crimea (n)	3	4	3	24	26
crayfish	2	12	0	28	1	criminal	31	90	225	34	226
crayon	2	12	19	2	4	crimp	1	14	4	3	12
craze	7	90	29	12	11	crimson	19	115	66	107	57
crazily	1	3	12	2	4	cringe	3	11	31	5	9
crazy	36	87	428	98	52	crinkle	1	6	15	7	2

crinoline to cuirass

	G	T	L	J	S		G	T	L	J	S
crinoline	1	4	13	3	0	crowd	AA	640	850	640*	493
cripple	19	115	104	53	84	crowded (adj.)	13	60	80	60*	47
crisis	19	50	116	21	159	crown	A	700	143	405*	373
crisp	15	85	154	21	17	crucial	2	8	24	4	13
crisply	2	5*	33	2	0	crucible	2	12	7	16	1
crisscross	1	1	8	13	7	crucifix	1	18	0	6	6
criterion	1	10	1	0	14	crucifixion	1	4	2	2	15
critic	27	90	101	15	288	crucify	3	28	11	6	13
critical	16	43	60	23	164	crude	17	57	107	54	95
critically	2	7	20	11	13	cruel	46	318	165	210*	147
criticise (ze)	13	50	97	5	98	cruelly	7	52	35	35	17
criticism	25	57	110	30	262	cruelty	15	115	57	58	57
croak	9	90	30	37	10	cruise	10	16	72	35	64
Croatia (n)	1	3	1	2	13	cruiser	6	18	32	9	66
crochet	5	57	43	2	0	crumb	18	115	154	54	12
crock	2	16	10	18	3	crumble	12	90	35	72	36
crockery	2	16	3	27	3	crumple	7	18	90	6	28
crocodile	5	57	7	19	22	crunch	2	4	17	25	2
crocus	1	18	3	6	3	crusade	12	57	36	13	108
Croesus	1	7	11	1	6	crusader	4	18	22	12	26
Cromwell	9	57	42	12	60	crush	49	240	274	222*	153
Cronus (os)	1	0	0	26	2	Crusoe	5	57	7	5	26
crony	1	12	8	6	4	crust	22	130	102	111	53
crook	10	28	95	15	44	crustacean	1	14	1	6	1
crooked	18	130	71	73	50	crusty	1	1	12	4	1
croon	2	11	14	10	6	crutch	10	90	15	11	66
crooner	1	0	14	0	7	cry	AA	700	736	700*	M
crop	A	430	171	325*	367	crypt	1	12	2	3	5
croquet	1	12	11	4	5	cryptic	1	4	16	0	4
croquette	2	3	34	0	0	crystal	27	130	75	168	119
cross (ing)	AA	M	517	?	688	crystalline	3	14	3	21	32
crossbar	1	10	4	4	4	crystallize	3	16	21	14	20
crossbow	2	10	0	22	5	cu.	1	18	0	0	0
cross-country	1	0	7	0	16	cub	11	14	35	126	27
crosscut	1	7	5	3	5	Cuba	8	80	17	17	44
crossly	1	?	9	?	4	Cuban	5	50	17	3	27
crosspiece	2	2	5	33	3	cube	9	90	58	13	10
crossroad	1	3	8	8	10	cubic	8	57	19	11	71
crossroads	2	5	15	8	13	cubit	2	28	3	4	3
crosswise	2	14	15	19	4	cuckoo	9	115	7	48	8
crossword	3	0	1	0	64	cucumber	6	50	39	21	11
crotch	2	5	2	26	3	cud	1	12	10	8	2
croton (C)	1	5	2	2	13	cuddle	5	57	15	17	4
crouch	18	90	92	123	35	cudgel	4	16	3	37	23
croup	1	12	2	5	14	cue	3	14	35	14	8
crow	37	250	43	250*	131	cuff	13	130	68	29	10
crowbar	2	15	5	11	8	cuirass	1	10	1	5	5

cuisine to cypress

	G	T	L	J	S		G	T	L	J	S
cuisine	1	3	8	1	10	curry	3	6	44	3	8
culinary	2	10	17	6	9	curse	39	235	182	161*	140
cull	3	50	3	6	8	cursed (adj.)	1	10	8	7	6
culminate	4	18	22	7	27	cursor	1	8	6	1	4
culmination	1	2	8	0	12	curt	3	7	38	5	5
culpable	1	10	4	0	4	curtail	5	28	19	1	43
culprit	4	16	14	19	25	curtailment	1	3	12	0	8
cult	5	12	23	2	63	curtain	A	330	414	283*	106
cultivate	34	190	76	190*	162	curtly	2	5	40	6	2
cultivated (adj.)	4	20	13	20*	28	curtsey (sy)	4	8	32	31	2
cultivation	13	57	30	25	134	curvature	1	16	2	1	9
cultivator	3	50	4	5	7	curve	36	160	202	122	177
cultural	4	11	29	2	37	cushion	21	160	108	79	37
culture (ed)	23	57	102	23	247	cuss (ed)	1	2	16	0	12
cumber	1	10	1	3	4	custard	5	28	64	4	1
Cumberland	5	18	30	29	20	Custer	2	1	0	28	16
cumbersome	2	10	11	9	8	custodian	1	11	6	2	14
cumbrous	1	14	1	6	6	custody	5	57	19	7	21
cumulative	1	8	1	0	11	custom	A	320	218	273*	381
cunning	28	180	64	180*	86	customary	12	57	61	34	74
cunningly	4	30	12	30*	12	customer	33	160	251	53	141
cup	AA	700	M	700*	163	customhouse	2	14	8	7	9
cupboard	12	90	55	54	23	cut	AA	M	943	M*	M
cupful	13	3	240	2	2	cute	5	28	60	5	7
Cupid (c)	7	57	16	48	20	cuticle	2	16	12	4	4
cupola	2	8	10	9	13	cutlass	2	14	2	6	14
cur	3	18	12	21	9	cutler	2	12	16	1	15
curate	2	16	27	1	7	cutlery	1	18	4	3	1
curator	1	8	10	2	8	cutter	9	90	45	20	11
curb	14	107	100	13	45	cuttle	1	2	0	18	8
curbing (n.)	1	8	7	1	3	cutworm	1	4	7	2	6
curd	2	28	6	6	12	cwt.	1	3	0	0	16
curdle	2	18	14	3	9	cyanide	1	4	13	6	0
cure	46	245	219	208	161	cycle	8	28	42	3	73
curfew	1	8	2	3	6	cyclist	1	5	1	0	13
curia (C)	1	7	0	0	12	cyclone	3	11	13	12	29
curio	1	11	11	1	6	cyclonic	2	4	3	0	30
curiosity	30	90	157	186	155	Cyclops	1	11	0	14	1
curious	A	198	259	235	247	cylinder	16	90	28	82	102
curiously	13	32	127	35	40	cylindrical	2	12	2	14	21
curl	45	240	249	240*	83	cymbal	3	50	9	6	4
curlew	1	6	3	5	5	cynic (C)	1	4	14	1	12
curly	14	16	218	21	13	cynical	5	24	38	1	29
currant	6	57	46	13	2	cynically	1	4	13	0	2
currency	14	57	41	8	149	cynicism	1	12	10	1	11
current	A	290	232	290*	652	Cynthia	11?	12	194	3	2
curriculum	1	11	15	1	8	cypress	6	57	15	21	31

Cyprus to Davies

	G	T	L	J	S		G	T	L	J	S
Cyprus	2	16	0	6	16	dance	AA	700	M	700*	364
Cyrano	1	2	2	0	14	dancer	10	57	87	22	28
Cyril	2	10	8	25	6	dandelion	6	57	36	10	7
Cyrus	5	50	6	7	28	dandle	1	18	4	5	0
cyst	1	11	5	0	3	dandy	3	28	20	6	5
czar	5	57	20	5	12	Dane	10	50	9	96	37
Czech	1	7	2	1	14	danger	AA	430	350	430*	666
Czechoslovak	1	0	0	0	23	dangerous	A	267	280	267*	344
Czechoslovakia						dangerously	5	23	41	23	15
(n)	2	4	6	0	40	dangle	9	57	52	48	20
						Daniel	14	115	54	26	68
da	2?	12	0	0	40	Danish	8	50	2	45	58
dab	2	12	18	6	4	dank	1	14	7	8	1
dabble	3	28	13	10	7	Dante	6	50	14	11	47
dad	41	14	697	15	19	Danube	7	50	5	12	63
daddy	16	28	250	23	0	Daphne	4	8	49	20	0
Daedalus	1	4	0	23	0	dapper	1	10	6	2	4
daffodil	3	28	17	12	12	dapple (d)	2	18	8	19	4
dagger	8	57	11	58	33	dare	AA	650	482	650*	346
dahlia	2	18	25	5	0	Darien	1	7	3	4	10
daily	AA	300	404	300*	827	daring (n. adj.)	9	50	46	50*	26
daintily	3	17	15	18	6	Darius	2	18	0	4	20
daintiness	1	3	14	2	0	dark	AA	M	M	?	?
dainty	17	98	106	77	36	darken	17	130	80	61	48
dairy	13	155	31	10	42	darkly	5	?	31	?	18
dais	1	4	8	12	9	darkness	A	310	257	272*	248
daisy (D)	28	220	62	220*	18	darling (D)	43	200	348	200*	37
Dakota	12	50	21	13	144	darn	12	57	136	8	20
dale	13	90	96	40	15	Darnley	2	2	17	8	24
Dallas	8	6	48	0	98	dart	33	235	68	235*	69
dally	1	18	8	4	2	Dartmouth	2	4	15	2	22
Dalton	2	5	39	0	4	Darwin	6	28	10	4	66
dam	19	130	45	128	55	dash	A	349	236	253*	175
damage	32	160	156	78	199	dashing (adj.)	3	21	15	16	11
Damascus	2	18	6	4	10	dastardly	1	10	8	2	3
damask	4	11	44	12	6	data	6	18	26	2	70
dame	32	160	79	177	169	date	AA	700	388	545*	546
damn (ed)	18	90	136	5	100	datum	1	11	0	0	22
damnable	1	12	7	1	9	daub	2	16	5	13	2
damnation	1	18	3	0	10	daughter	AA	700	865	621*	541
damp	27	160	126	133	67	daughter-in-law	1	4	19	5	5
dampen	1	4	9	9	7	daunt	4	50	9	18	7
damper	1	11	4	3	5	dauntless	4	50	9	8	11
damsel	36	90	8	212	354	dauphin (D)	2	14	2	19	10
Dan	A	230	433	230*	60	davenport	1	14	13	0	0
Dana	2	0	30	1	10	David	46	160	301	99	268
						Davies	2	2	21	0	14

Davis to decorator

	G	T	L	J	S		G	T	L	J	S
Davis	16	28	80	32	148	debauchery	1	11	3	1	4
Davy	8	2	86	49	24	debt	1	6	2	0	19
daw	1	8	4	3	7	debonair (e)	1	12	16	1	4
dawdle	1	10	7	6	3	Deborah	1	16	1	0	8
Dawes	7	1	41	1	96	debris (dé)	3	16	24	5	13
dawn	A	380	238	252*	147	debt	A	340	220	305*	355
Dawson	2	3	6	29	0	debtor	8	57	21	9	73
day	AA	M	M	M	M	debut	2	6	24	1	12
daybreak	9	50	23	55	44	debutant (e)	2	7	28	1	1
daydream	2	4	13	20	6	decade	13	57	94	13	83
daylight	25	160	73	127	103	decadence	1	8	2	0	8
daytime	12	90	69	41	20	decay	33	230	70	150*	149
Dayton	2	6	14	3	28	decease (d)	8	90	14	12	38
daze	12	50	120	27	20	deceit	8	90	26	15	15
dazzle	19	90	79	100	77	deceitful	4	57	5	7	8
de	AA	12	500	148	M	deceive	33	240	100	150*	109
deacon	3	18	12	18	21	deceiver	1	18	0	5	5
dead	AA	M	931	M*	?	December	A	360	178	307*	383
deaden	2	14	12	3	11	decency	5	18	39	2	38
deadlock	3	28	21	3	17	decent	18	50	206	28	52
deadly	25	130	129	108	96	decently	2	7	23	4	14
deaf	19	160	53	62*	70	deception	4	28	26	10	24
deafen	5	14	32	28	16	deceptive	1	5	10	4	10
deafness	1	7	5	6	7	decide	AA	641	820	677*	572
deal	AA	700	790	700*	891	decided (adj.)	14	59	75	66	65
dealer	26	115	160	30	177	decidedly	11	50	68	28	56
dealing (n.)	16	90	72	90*	47	deciduous	1	14	2	--0	9
dealt	8	40	52	29	40	decimal	1	14	4	4-1	12
dean	12	57	68	25	71	decipher	2	18	7	8	21
dear	AA	M	M	M	?	decision	46	130	286	80	339
dearie (y)	3	4	42	15	5	decisive	8	38	23	19	66
dearly	7	?	43	?	20	decisively	2	12	17	4	15
Dearborn	1	3	5	0	20	deck	A	280	330	280*	199
dearth	4	50	6	14	14	declaim	1	4	7	5	11
death	AA	M	815	?	?	declamation	1	10	2	1	12
deathbed	2	18	8	2	24	declaration	18	57	36	32	200
deathless	2	12	9	9	12	declare	AA	430	457	430*	M
deathlike	1	5	7	3	4	declension	1	18	0	4	5
deathly	1	5	19	5	3	declination	1	10	0	2	12
death rate	4	2	8	1	70	decline	A	200	151	200*	360
debar	1	16	0	3	6	declivity	1	10	0	3	6
debase	2	28	4	2	13	decompose	6	50	9	24	33
debatable	2	6	3	25	10	decomposition	3	12	0	19	23
debate	24	160	76	43	158	decorate	17	57	158	30	69
debater	1	11	3	2	4	decoration	19	90	160	39	63
debauch	1	16	5	2	10	decorative	8	14	87	6	41
						decorator	2	5	27	1	12

decorous to delinquent

	G	T	L	J	S		G	T	L	J	S
decorous	1	8	6	0	6	deflect	1	11	4	3	11
decorum	2	16	10	4	11	Defoe (DeFoe)	2	7	15	0	16
decoy	3	18	2	32	6	deform	2	23	3	2	9
decrease	25	130	86	16	224	deformed (adj.)	3	34	4	4	16
decree	20	130	33	66	133	deformity	4	57	9	4	16
decrepit	1	16	8	4	3	defraud	2	28	7	5	9
decry	1	11	4	1	3	defray	1	14	7	3	6
dedicate	12	90	32	21	84	deft	2	7	29	11	4
dedication	2	18	8	2	25	deftly	3	9	30	27	5
deduce	3	16	7	2	34	defunct	1	8	7	1	2
deduct	3	18	12	2	31	defy	18	160	60	51	56
deduction	3	12	20	1	27	degenerate	6	57	28	10	23
deed	A	410	76	255*	279	degeneration	1	8	4	0	16
deem	20	160	21	80	112	degradation	5	50	14	5	22
deep	AA	M	881	?	?	degrade	8	57	28	22	41
deepen	15	90	81	44	55	degree	AA	380	391	380*	834
deep-sea	1	2	10	7	12	deify	1	18	0	2	4
deer	35	220	47	220*	160	deign	4	57	8	16	8
deface	2	28	3	3	5	deity	9	57	8	41	71
defame	1	12	2	1	5	dejected	4	42	18	9	11
default	2	18	6	0	24	dejectedly	1	15	9	5	0
defeat	A	160	166	160*	444	dejection	2	16	8	2	11
defect	14	90	47	23	96	Delaware	20	57	16	47	242
defection	1	10	7	0	11	delay	A	360	162	261*	260
defective	6	57	24	6	30	delectable	2	14	29	2	5
defend	A	240	136	240*	311	delegate	27	90	109	103	201
defendant	6	14	55	4	41	delegation	6	16	39	8	52
defender	7	16	28	35	55	deleterious	1	7	6	0	5
defense (ce)	A	230	223	230*	562	Delhi	1	3	5	4	14
defenseless (ce)	3	16	17	13	25	Delia	3	6	46	1	2
defensive	8	18	55	18	62	deliberate	10	21	64	28	72
defer	7	50	14	7	55	deliberately	17	36	177	48	60
reference	4	16	23	18	21	deliberation	6	50	19	12	40
deferential	1	10	5	1	4	delicacy	11	57	52	40	65
defiance	12	90	43	33	64	delicate	43	187	248	187*	168
defiant	4	18	44	15	9	delicately	7	33	63	33*	12
defiantly	2	10	29	11	1	delicatessen	1	2	14	0	5
deficiency	6	57	14	8	33	delicious	22	118	180	77	33
deficient	5	50	18	4	32	deliciously	2	12	20	5	5
deficit	4	8	20	0	58	delight	A	650	353	430*	285
defile	6	57	7	17	27	delighted (adj.)	6	40	34	30*	17
define	19	57	58	26	216	delightedly	2	10	20	10*	1
definite	33	37	235	38	301	delightful	32	144	227	104	117
definitely	23	20	196	6	132	delightfully	3	16	29	4	16
definition	9	50	26	12	91	delineation	1	10	1	2	7
definitive	1	12	2	0	12	delinquency	1	7	8	1	9
deflation	1	1	14	0	19	delinquent	2	10	14	6	14

delirious to deprive

	G	T	L	J	S		G	T	L	J	S
delirious	3	16	31	6	7	denote	7	57	16	3	57
delirium	2	14	25	3	11	denounce	11	57	37	28	82
deliver	A	400	201	313*	337	dense	19	117	35	114	80
deliverance	7	90	5	15	21	densely	2	13	4	5	19
deliverer	3	50	2	5	6	density	5	28	9	17	37
delivery	14	115	81	12	57	dent	3	12	30	5	8
dell	11	57	118	12	12	dental	5	16	30	0	50
Delos	1	4	0	8	14	dentist	9	50	61	15	43
Delphi	3	14	0	34	12	dentistry	1	2	7	1	23
Delphic	1	12	0	0	7	denude	1	8	6	7	8
delta	8	57	14	14	60	denunciation	2	12	11	5	25
delude	2	28	8	8	5	Denver	8	28	54	10	64
deluge	5	28	21	13	28	deny	A	260	290	260*	291
delusion	5	50	0	13	32	depart	A	327	135	280*	378
delusive	1	14	2	2	2	departed (n. adj.)	4	23	10	20*	27
delve	2	14	11	7	10	department	AA	230	573	230*	805
demagogue (gog)	1	4	4	0	14	departmental	1	3	7	0	12
demand	AA	700	M	M*	M	departure	23	90	96	80	156
demeanor (our)	6	57	10	32	25	depend	A	300	395	300*	489
demented	1	3	12	1	2	dependable	3	11	32	3	11
demigod	2	16	14	6	3	dependant	6	50	18	5	40
demise	1	4	9	0	6	dependence	5	50	17	9	25
democracy	20	57	88	15	211	dependency	2	18	4	5	18
democrat	22	57	98	23	221	dependent	13	57	71	22	96
democratic	A	50	182	24	684	depict	7	50	18	9	54
demolish	3	18	12	16	22	deplete	2	8	12	4	15
demolition	1	8	3	1	7	deplorable	4	12	17	7	37
demon	8	57	32	28	34	deplore	6	57	19	5	31
demonstrate	18	57	98	22	148	deport	2	5	12	0	35
demonstration	18	57	112	38	127	deportation	3	10	2	0	56
demonstrative	2	28	6	5	3	deportment	4	50	12	6	17
demoralize	3	8	22	9	22	depose	5	57	3	7	30
Demosthenes	2	14	0	1	22	deposit	41	160	119	124	349
demur	3	28	17	9	5	deposition	2	14	0	8	31
demure	2	14	10	5	7	depositor	2	4	23	0	25
demurely	2	14	11	6	7	depot	8	90	27	12	23
den	23	220	63	107*	37	depraved (adj.)	1	11	9	1	6
denature	1	4	6	0	16	depravity	1	10	8	1	7
denial	4	28	23	2	34	deprecate	1	18	5	2	8
denim	1	4	17	1	3	depreciate	3	18	13	3	26
Denis	1	12	0	18	0	depreciation	3	16	17	1	32
denizen	2	10	10	9	9	depredation	2	11	7	10	9
Denmark	10	57	12	47	64	depress	8	40	62	20	26
Dennis	7?	11	109	8	10	depressed (adj.)	3	17	30	9	12
denominate	1	10	1	2	4	depression	25	57	244	23	140
denomination	6	16	13	1	83	deprivation	1	14	1	7	8
denominational	1	3	5	0	15	deprive	16	90	60	44	111

depth to detest

	G	T	L	J	S		G	T	L	J	S
depth	49	230	172	230*	267	desolation	8	90	20	19	27
deputation	1	14	4	0	17	despair	38	195	157	195*	145
depute	1	18	3	2	7	despairing (adj.)	5	25	21	25	19
deputy	13	90	31	15	100	despatch	18	57	9	49	213
der	2?	5	1	1	40	desperado	1	11	11	2	11
derange	1	11	4	3	8	desperate	35	100	241	140	154
derangement	1	6	4	0	13	desperately	17	30	217	41	34
derby (D)	3	14	23	8	14	desperation	6	18	59	21	22
Derbyshire	1	1	0	3	18	despicable	2	10	15	3	8
derelect	1	4	17	0	9	despise	26	210	75	118*	69
deride	4	50	9	9	9	despite	29	115	141	58	222
derision	5	57	14	10	22	despoil	2	14	4	20	7
derisive	1	7	9	8	2	despond	1	6	2	3	7
derisively	1	5	6	5	2	despondency	1	16	6	7	5
derivation	1	12	3	4	12	despondent	1	7	17	4	5
derivative	1	7	2	3	18	despot	4	50	11	7	10
derive	28	130	48	54	278	despotic	2	28	1	4	13
derrick	2	11	16	10	15	despotism	2	18	3	7	13
dervish	2	7	3	8	25	dessert	12	57	159	5	3
des	11	3	30	5	162	destination	12	57	50	68	56
descant	1	11	0	1	6	destine	17	115	59	40	103
descend	49	280	166	223*	224	destiny	17	90	100	35	90
descendant	12	57	21	49	94	destitute	6	57	9	8	41
descent	14	90	22	39	107	destroy	AA	700	270	507*	552
describe	A	350	307	350*	668	destroyer	3	18	14	10	15
description	30	160	111	93	180	destruction	37	200	72	171*	240
descriptive	3	18	8	13	22	destructive	9	18	28	31	88
descry	4	57	0	8	11	desultory	1	16	6	2	7
desert	A	360	282	300*	354	detach	8	20	44	21	66
deserter	2	8	13	6	24	detached (adj.)	3	8	18	8	24
desertion	4	18	23	6	26	detachment	8	50	5	22	74
deserve	43	233	159	198*	201	detail	A	130	483	116	403
deserving (adj.)	2	11	7	9	9	detain	11	115	29	29	32
desiccate	1	18	0	1	0	detect	16	57	88	61	98
design	A	225	509	225*	466	detection	3	10	10	6	28
designate	8	50	33	20	53	detective	13	16	174	11	40
designation	1	12	3	4	16	detector	2	12	3	0	35
designer	4	18	44	2	19	detention	1	10	6	3	5
designing (n. adj.)	1	3	6	3	6	deter	2	16	7	2	15
desirability	14	4	14	3	237	deteriorate	2	12	11	0	13
desirable	20	90	160	25	92	deterioration	2	10	13	0	15
desire	AA	700	779	700*	M	determinate	1	18	4	0	11
desirous	7	57	3	23	53	determination	19	57	118	45	129
desist	2	18	7	4	8	determine	A	256	312	256*	628
desk	A	330	539	316*	78	determined (adj.)	6	20	25	20	50
Des Moines	3	3	21	0	44	determinedly	1	4	14	4	2
desolate	16	115	45	70	73	detest	6	57	27	20	19

detestable to difficulty

	G	T	L	J	S		G	T	L	J	S
detestable	3	16	9	18	11	diagnose	1	8	19	0	5
detestation	1	10	1	3	5	diagnosis	3	10	24	1	22
dethrone	2	18	4	10	10	diagonal	2	15	6	22	7
detonation	1	2	9	3	4	diagonally	2	13	14	7	11
detour	2	11	18	2	12	diagram	7	50	25	8	51
detract	2	6	14	4	14	dial	8	57	43	6	45
detraction	1	14	3	0	13	dialect	7	57	20	11	53
detriment	1	18	4	2	8	dialectic	1	6	0	0	16
detrimental	1	10	0	2	8	dialogue (log)	8	57	31	6	67
Detroit	26	50	114	14	306	diameter	17	50	36	92	135
Deucalion	1	1	0	20	2	diamond	A	320	250	235*	136
deuce	2	7	18	2	18	Diana	12	57	98	58	12
devastate	5	18	46	3	36	diaper	3	16	36	0	4
devastation	2	11	8	3	15	diaphragm	3	18	21	1	19
develop	A	210	576	210*	690	diary	9	50	45	30	37
development	A	130	283	113	667	dice	8	57	64	8	15
deviate	1	12	2	3	11	Dick	A	240	506	399*	452
deviation	1	12	7	1	12	dickens (D)	6	18	26	19	48
device	34	115	144	125	245	dicker	1	4	12	0	2
devil	A	240	225	225*	211	Dickinson	1	0	0	0	18
devilish	4	50	12	5	8	dicky (D)	4	57	9	3	8
devious	2	14	17	6	5	dictate	15	90	81	27	79
devise	17	50	86	53	133	dictation	3	14	30	5	12
devoid	4	14	23	12	32	dictator	5	16	27	9	53
devolve	2	12	4	5	23	dictatorial	1	4	6	2	10
Devon	2	14	7	21	6	dictatorship	3	4	25	2	33
Devonshire	1	2	0	12	16	diction	1	11	4	0	14
devote	A	200	219	200*	300	dictionary	9	57	18	34	61
devoted (adj.)	7	30	33	30	45	dictum	1	7	11	1	8
devotedly	2	9	17	9	2	did	AA	M	M	M	M
devotee	3	16	12	7	26	didn't	AA	220	M	?	?
devotion	21	90	124	57	116	Dido (d)	1	14	0	3	1
devour	17	130	32	104	57	die	AA	M	M	M*	?
devout	4	32	10	10	29	Diego	4	0	14	5	56
devoutly	2	25	8	7	8	dielectric	1	4	0	0	18
dew	30	270	32	136*	107	Diesel	1	1	12	0	17
dewdrop	3	18	12	17	8	diet	27	90	258	28	125
Dewey	2	7	9	11	10	dietary	1	7	12	0	7
De Witt	1	11	23	0	0	differ	30	160	80	96	207
dewy	5	57	7	22	6	difference	AA	700	426	565*	569
dexter (D)	2	6	31	0	3	different	AA	?	M	?	M
dexterity	4	50	3	11	20	differential	2	12	5	1	30
dexterous	1	9	2	7	10	differentiate	2	11	4	3	26
dexterously	1	7	1	7	3	differentiation	1	4	6	0	8
diabetes	1	12	4	0	4	differently	10	?	56	?	40
diabolical	1	6	12	0	15	difficult	A	320	512	320*	525
diadem	4	50	4	0	26	difficulty	A	200	373	200*	589

diffidence to discernment

	G	T	L	J	S		G	T	L	J	S
diffidence	2	16	15	8	5	diploma	4	28	31	3	14
diffident	2	16	14	1	6	diplomacy	5	12	14	3	61
diffuse	8	90	12	10	39	diplomat	4	18	23	4	27
diffusion	2	16	2	3	25	diplomatic	9	12	28	10	120
dig	43	260	129	260*	142	diplomatist	1	3	4	1	20
digest	25	57	347	22	31	dipper (D)	4	57	7	13	12
digestion	6	57	29	13	20	dire	8	57	30	28	30
digestive	5	50	20	8	14	direct	AA	450	416	450*	739
digger	5	57	11	18	6	direction	AA	420	441	420*	793
dignified (adj.)	11	70	70*	26	36	directly	A	250	258	250*	335
dignify	4	20	26*	22	10	directness	1	7	14	4	4
dignitary	2	12	5	14	7	director	39	115	315	34	253
dignity	36	130	204	115	204	directory (D)	3	12	21	5	23
digression	1	14	0	1	4	direful	1	14	3	8	5
dike	4	14	0	19	44	dirge	3	50	4	3	12
dilapidated (adj.)	2	14	12	3	15	dirigible	1	10	5	2	12
dilate	5	57	12	9	12	dirk	1	10	0	2	6
dilemma	2	12	22	4	12	dirt	21	160	136	23	66
diligence	5	57	9	13	27	dirty	31	160	221	113	67
diligent	5	45	11	19	15	disability	3	16	20	1	19
diligently	5	45	12	30	14	disable	7	28	16	27	55
dilute	3	16	16	5	20	disadvantage	10	57	41	22	64
dim	37	172	156	172*	168	disaffected	1	8	0	3	10
dime	11	115	40	4	42	disaffection	1	11	2	2	11
dimension	10	57	30	28	77	disagree	6	28	38	11	35
diminish	23	90	42	52	232	disagreeable	10	57	43	50	47
diminution	3	18	4	4	32	disagreement	3	14	21	12	22
diminutive	5	50	15	10	19	disappear	A	270	301	270*	262
dimly	10	48	67	48*	27	disappearance	4	16	29	14	22
dimness	1	3	15	6	3	disappoint	28	160	153	74	118
dimple	5	57	29	7	9	disappointment	22	115	124	73	96
din	11	90	72	37	16	disapproval	5	50	33	6	13
dine	A	290	326	236*	92	disapprove	6	26	45	14	41
diner	2	3	31	1	8	disarm	7	57	17	12	91
ding-dong	1	0	7	1	10	disarmament	6	1	11	1	9
dingle	1	10	1	13	1	disaster	23	90	139	61	136
dingy	6	28	45	25	20	disastrous	9	1*	37	16	68
dinner	AA	700	M	700*	315	disastrously	1	6*	5	1	6
dinosaur	2	6	3	13	17	disband	3	28	6	7	24
dint	3	28	5	17	12	disbelief	1	20	8	1	5
diocese	2	12	2	2	36	disbelieve	1	8	3	7	0
Diogenes	2	11	1	1	32	disc	4	28	5	50	0
Dion	3	7	59	0	0	discard	10	28	89	27	50
Dionysus (os)	1	2	0	8	16	discern	11	16	22	25	40
dioxide	4	28	6	19	20	discernible	1	6	13	4	9
dip	34	270	128	157*	74	discerning (adj.)	1	14	4	2	8
diphtheria	3	28	20	2	8	discernment	1	14	6	3	3

discharge to disown

	G	T	L	J	S		G	T	L	J	S
discharge	30	160	85	73	227	disfavor	1	6	12	2	12
disciple	6	50	8	8	51	disfigure	5	50	20	10	13
discipline	21	90	106	51	139	disgorge	1	14	3	5	6
disclaim	1	16	7	0	8	disgrace	20	160	100	54	50
disclose	14	90	62	30	87	disgraceful	3	16	25	8	19
disclosure	2	18	14	2	14	disguise	23	160	66	96	96
discolor	1	14	6	5	9	disgust	21	90	141	95	69
discoloration	1	8	5	0	6	dish	A	430	632	430*	118
discomfit	1	14	1	11	6	dishearten	4	18	17	16	21
discomfiture	2	14	8	10	14	disheveled (Iled)	2	18	29	3	3
discomfort	6	18	43	26	25	dishonest	6	28	35	29	23
disconcert	4	14	36	11	23	dishonesty	1	18	0	3	12
disconnect	2	12	12	3	15	dishonor	8	90	12	16	42
disconsolate	2	20	10	4	7	dishonorable	2	28	8	5	12
disconsolately	1	9	6	4	2	disillusion	3	6	38	1	25
discontent	15	114	37	31	91	disillusionment	1	0	21	1	6
discontented (adj.)	4	16	50	5	13	disinclination	1	6	4	0	8
discontinue	3	28	11	2	30	disinclined	1	14	2	2	1
discord	6	57	14	12	29	disinfect	1	14	2	2	4
discordant	2	18	4	12	15	disinfectant	1	12	5	2	7
discount	8	18	38	2	87	disinherit	1	16	7	4	1
discourage	23	130	147	51	88	disintegrate	2	16	14	5	17
discouragement	4	8	30	16	24	disintegration	2	7	8	4	22
discourse	13	90	24	23	106	disinterested	3	23	7	5	20
discourteous	1	11	1	5	6	disjointed	1	9	2	4	3
discover	AA	600	694	600*	706	disk	8	28	19	37	77
discoverer	3	16	11	13	19	dislike	23	90	135	79	111
discovery	A	200	200	239*	318	dislocate	1	11	11	1	5
discredit	5	18	24	10	42	dislocation	1	10	3	0	6
discreet	5	38	37	8	9	dislodge	3	18	9	11	22
discreetly	2	19	19	3	6	disloyal	2	18	14	3	14
discrepancy	2	11	12	4	14	disloyalty	2	12	6	4	14
discretion	9	57	30	25	55	dismal	13	101	41	56	38
discriminate	2	20	8	6	14	dismally	1	14	9	3	6
discriminating						dismantle	2	11	9	0	17
(adj.)	1	8	4	1	6	dismay	20	130	90	95	49
discrimination	3	11	15	10	29	dismember	1	8	7	1	5
discuss	40	130	216	81	300	dismiss	22	160	127	37	76
discussion	32	90	169	52	272	dismissal	3	18	18	8	16
disdain	10	115	16	22	33	dismount	10	57	18	59	49
disdainful	1	14	7	4	8	disobedience	3	18	13	11	13
disdainfully	1	14	4	12	5	disobedient	2	16	4	16	4
disease	A	282*	325	282*	338	disobey	8	90	16	28	16
diseased (adj.)	4	18*	20	18*	21	disorder	16	90	50	53	109
disembark	1	12	5	6	11	disorderly	3	18	10	12	18
disengage (d)	2	16	12	3	14	disorganize	2	14	12	3	10
disentangle	1	10	1	6	7	disown	2	28	2	5	3

disparage to disturbance

	G	T	L	J	S		G	T	L	J	S
disparage	1	18	2	3	6	dissent	4	28	10	2	34
disparagement	1	14	0	1	3	dissenter	1	16	0	1	12
disparity	1	10	1	0	11	dissertation	1	11	1	0	18
dispassionate	1	11	9	1	10	dissimilar	1	8	3	4	4
dispatch	18	57	49	16	213	dissipate	3	20	14	6	19
dispel	4	28	19	10	21	dissipated (adj.)	1	8	5	6	4
dispensary	1	14	3	0	10	dissipation	1	14	6	1	14
dispensation	2	28	7	4	14	dissociate	1	1	2	2	16
dispense	9	90	37	9	28	dissolute	1	12	7	5	10
dispenser	1	10	5	0	5	dissolution	6	50	8	4	57
dispersal	1	11	4	2	18	dissolve	29	160	118	119	130
disperse	11	115	8*	35	49	dissuade	2	18	0	11	11
dispersion	1	12	0	4	9	distaff	2	18	0	19	3
dispirit	1	16	7	2	2	distance	AA	700	370	700*	753
displace	7	50	21	20	37	distant	A	305	205	305*	302
displacement	3	4	6	4	44	distantly	1	5	9	5*	0
display	A	230	232	230*	244	distaste	2	16	21	3	12
displease	11	115	24	37	37	distasteful	3	18	22	9	15
displeasure	7	57	17	40	23	distemper	3	57	2	0	7
disport	1	10	0	7	4	distend	2	16	7	12	7
disposal	10	57	35	25	66	distil (ll)	5	45	13	11	34
dispose	37	210	83	168*	210	distillation	2	14	3	6	22
disposition	22	90	73	91	143	distilled (adj.)	1	12	4	4	9
dispossess	1	14	8	5	5	distillery	1	12	1	1	12
dispraise	1	14	0	1	4	distinct	32	135	76	135*	239
disproportion	1	12	0	4	9	distinction	26	90	111	44	226
disproportionate	1	8	4	6	11	distinctive	7	28	39	11	49
disprove	2	14	8	3	14	distinctly	20	85	98	85*	99
disputation	1	18	0	7	4	distinctness	1	7	5	3	13
dispute	40	230	64	181*	250	distinguish	35	111	159	77	300
disqualify	1	18	6	2	9	distinguishable	1	11	1	1	15
disquiet	3	16	18	4	21	distinguished	18	49	72	85	134
Disraeli	2	2	28	0	14	distort	6	28	51	9	28
disregard	9	28	74	0	73	distortion	1	11	4	2	18
disreputable	1	4	21	4	4	distract	11	90	45	33	40
disrespect	2	11	8	7	11	distraction	3	18	15	5	18
disrespectful	1	10	5	10	4	distraught	2	4	17	5	16
disruption	1	6	0	2	12	distress	38	210	131	175*	185
dissatisfaction	4	14	24	5	32	distressful	1	8	5	6	4
dissatisfied (adj.)	3	10	30	5	22	distribute	26	90	117	67	201
dissatisfy	1	8	3	5	17	distribution	24	90	98	12	236
dissect	3	28	6	8	14	distributor	1	14	12	0	7
dissection	1	12	1	2	5	district	A	245	292	245*	769
dissemble	1	14	2	2	11	distrust	10	50	41	23	71
disseminate	1	11	6	4	10	distrustful	1	8	4	5	5
dissemination	1	6	3	0	11	disturb	47	230	233	213*	177
dissension	5	57	2	10	31	disturbance	15	57	39	44	144

disturber to doorkeeper

	G	T	L	J	S		G	T	L	J	S
disturber	1	5	1	10	4	dog	AA	700	811	700*	582
disuse	2	18	8	7	13	doge	1	4	7	8	7
ditch	28	235	70	150*	65	dogfish	2	12	0	23	4
ditty	1	18	1	7	7	dogged	2	20	16	10	0
diurnal	1	12	0	1	10	doggedly	3	30	21	10	8
divan	3	16	38	6	7	doggerel	1	8	5	2	6
dive	21	115	111	114	44	dogma	3	16	12	1	29
diver	4	28	7	5	42	dogmatic	2	10	6	1	22
diverge	2	28	2	5	15	dogwood	1	4	11	3	0
divergence	1	14	5	0	10	doily	1	14	21	0	0
divergent	1	4	7	2	18	doings	4	20	38	20*	4
divers	5	57	9	18	20	dole	9	50	40	16	57
diverse	5	50	12	10	21	doleful	5	50	11	26	11
diversify	2	10	10	6	15	doll	46	240	223	210*	168
diversion	9	28	66	21	53	dollar	AA	410	M	410*	M
diversity	5	50	7	12	37	dolly	8	80	56	9	8
divert	11	57	67	24	65	dolomite	1	2	1	10	5
divest	1	14	8	4	9	dolorous	2	5	5	14	19
divide	AA	700	194	468*	509	dolphin	4	50	7	32	4
dividend	7	57	0	3	75	dolt	1	12	1	4	1
dividers	1	16	0	3	0	domain	9	50	18	45	56
divination	1	16	2	0	7	dome	15	115	21	58	91
divine	41	227	101	187*	232	Domesday	1	3	0	0	19
divinely	3	18	11	15	15	domestic	49	230	158	230*	267
divinity	8	57	13	42	42	domesticate	2	14	4	13	21
divisible	1	12	6	0	4	domicile	1	7	7	7	5
division	A	230	141	230*	460	dominance	1	6	8	4	14
divorce	29	115	312	4	91	dominant	8	57	30	12	55
divulge	1	12	10	1	3	dominate	11	18	83	13	91
Dixon	2	4	27	0	16	domination	4	18	17	3	36
dizzily	1	6	14	1	2	domineer	1	10	6	3	4
dizziness	1	4	14	2	3	Dominican	1	7	3	6	12
dizzy	10	51	74	45	27	dominion (D)	17	115	16	23	160
do	AA	M	M	M	M	dominoes	1	22	6	5	0
docile	2	14	17	8	4	don	18	57	130	94	53
docility	1	8	4	6	4	Donald	11	57	94	36	16
dock	16	130	97	26	46	donate	2	8	10	1	7
dockyard	1	6	0	9	7	donation	2	14	13	1	15
doctor	AA	700	M	700*	M	done	AA	M	M	M	M
doctrine	30	115	57	34	342	donkey	16	130	20	111	43
document	17	57	76	45	129	donna	1	3	11	1	12
dodge	16	57	110	76	51	donor	2	16	9	6	17
doe	6	50	20	42	13	don't	AA	?	M	?	?
doer	2	28	2	11	4	doom	20	160	63	67	86
does	AA	M	M	M	M	door	AA	M	M	M*	?
doesn't	AA	160	955	129	?	doorbell	2	2	29	4	7
doff	2	14	6	19	7	doorkeeper	1	10	6	12	3

doorman to drawl

	G	T	L	J	S		G	T	L	J	S
doorman	1	2	17	3	3	downhearted	1	2	5	12	7
doorpost	1	2	2	10	4	downhill	2	4	18	12	8
doorstep	6	16	34	43	17	downpour	1	2	11	8	5
doorway	30	57	252	179	57	downright	4	28	22	10	13
dooryard	2	6	23	14	2	Downs	2	3	26	0	8
dope	5	12	73	2	19	downstairs	20	57	226	46	44
Dora	4	57	12	0	4	downstream	3	14	9	27	21
Dorcas	2	3	43	0	1	downtown	7	6	105	3	17
Dorchester	1	2	6	1	26	downward	16	100	27	73	95
Dorian	2	12	2	5	23	downwards	8	60	40	39	12
Doric	1	7	4	5	14	downy	3	18	6	31	8
Doris	?	1	158	2	0	dowry	2	18	4	6	10
dormant	2	16	11	13	13	doz.	3	57	1	0	0
dormitory	4	14	26	30	18	doze	7	28	48	37	20
Dorothea	1	3	17	0	6	dozen	A	380	494	380*	235
Dorothy	34	90	338	4	188	Dr.	A	90	563	50	234*
dorsal	1	15	0	2	13	drab	4	16	37	10	21
Dorset	1	6	4	2	6	drachm	1	8	0	16	7
dory	7	3	127	4	0	draft	30	235	66	139*	116
dose	8	57	39	14	45	draftsman	1	6	12	2	6
dost	20	130	10*	214	10*	drag	A	250	367	250*	193
dot	38	250	177	172*	90	dragon	22	160	34	164	50
dotage	1	18	1	1	2	dragonfly	2	6	0	26	4
dote	3	41	16	2	10	dragon	4	12	10	6	50
doth	35	220	0	220*	200	drain	41	250	197	186*	111
doting (adj.)	1	16	7	1	4	drainage	9	50	34	3	76
double	AA	700	345	480*	396	drake (D)	8	57	45	25	30
doublet	4	16	3	43	21	dram	1	18	2	5	1
doublet	4	12	33	18	24	drama	23	90	151	34	148
doublet	AA	700	752	700*	788	dramatic	20	48	174	29	121
doubtful	19	101	79	49	122	dramatically	1	2	20	1	12
doubtfully	5	29	34	30	9	dramatics	1	2	16	0	0
doubtless	30	130	72	166	189	dramatist	3	16	9	5	35
dough	11	57	111	16	22	dramatize	2	18	25	0	9
doughboy	1	4	10	0	11	drank	23	115	130	68	104*
doughnut	5	16	51	14	13	drape	6	50	56	7	10
doughty	1	12	4	0	6	drapery	9	57	98	9	15
Douglas (ss)	13	50	61	54	84	drastic	5	12	27	2	54
douse	1	4	9	2	3	draught	16	130	9	83	76
dove	19	210	11	86*	37	drave	2	12	0	33	6
Dover	2	18	4	19	12	Dravidian	1	3	0	0	18
dowager	2	12	13	0	19	draw	AA	M	428	?	?
dowel	2	4	1	34	0	drawback	3	18	19	11	19
dower	2	18	4	11	9	drawbridge	3	12	0	30	18
down	AA	M	M	M	M	drawer	20	130	179	23	40
downcast	3	16	10	24	17	drawing (n.)	6	5	92	11	8*
downfall	6	50	13	8	37	drawl	5	14	61	12	8

drawn to dullness

	G	T	L	J	S		G	T	L	J	S
drawn	49	115	360	138	271*	drover	1	10	6	8	3
dread	45	290	181	207*	149	drown	42	340	126	193*	114
dreadful	43	244	161	244*	126	drowse	1	14	12	6	3
dreadfully	6	36	36	36	7	drowsily	2	29	11	5	4
dream	AA	700	929	700*	560	drowsiness	1	14	6	4	10
dreamer	4	10	12	53	13	drowsy	10	111	18	36	16
dreamily	3	2	41	10	7	drudge	1	16	7	4	7
dreamland	1	14	1	2	5	drudgery	3	14	28	11	13
dreamy	4	5	37	23	12	drug	24	160	123	19	143
drear	1	11	2	2	3	druggist	4	50	10	4	19
drearily	1	7	10	4	4	Druid	1	28	0	1	2
dreary	14	83	59	54	58	drum	40	280	70	280*	91
dredge	2	14	11	13	14	drummer	2	14	13	11	8
dregs	3	28	9	11	7	drunk	27*	115	193	65	?
drench	7	50	40	23	16	drunkard	5	57	30	6	14
Dresden	2	18	4	1	24	drunken (adj.)	12	90	59	29	44*
dress	AA	M	M	M*	M*	drunkenness	3	28	2	4	27
dresser	7	57	61	4	8	dry	AA	670	592	670*	569
dressing room	1	0	19	1	6	dryad (D)	1	11	5	11	4
dressmaker	8	16	118	14	2	Dryden	3	28	2	1	29
dressmaking	1	7	21	3	1	dryly	6	30	49	30*	10
dressy	1	2	17	0	0	dryness	1	5	11	4	12
drew	A	310	583	?	?	du	11	5	19	9	184
dribble	1	6	8	5	0	dual	2	18	9	1	22
dried	26	130	114	130*	100	dualism	1	6	0	0	12
drier (n.)	2	28	2	2	8	dub	4	14	33	21	20
drift	36	130	268	69	197	dubious	3	20	24	7	15
driftwood	2	12	7	9	11	dubiously	1	8	14	7	1
drill	21	245	60	140*	116	Dublin	6	6	7	8	92
drily	6	?	49	?	10	duc	2	3	5	0	42
drink	AA	M	658	?	?	ducal	2	11	1	16	14
drinker	2	11	10	10	9	ducat	1	10	0	7	5
drip	16	124	94	46	32	duchess	12	57	109	12	49
drippings (n.)	1	6	17	2	1	duchy	4	7	0	38	42
drive	AA	M	926	M*	?	duck	49	300	177	300*	111
driven	20*	12	215	58	?	duct	1	16	5	4	6
driver	40	130	311	105	180	dude	2	1	38	0	2
driveway	3	6	46	7	3	Dudley	2	6	6	6	28
drizzle	1	10	10	10	4	due	AA	360	464	360*	820
droll	2	16	10	16	11	duel	7	50	50	12	25
drone	7	57	42	22	18	duet	1	7	6	2	3
droop	26	200	113	118	42	dug	26	160	77	116	118
drop	AA	M	M	M*	?	dugout	2	4	25	9	13
dross	1	28	1	3	3	duke	A	160	250	504	376
drought	6	50	23	17	30	dukedom	2	28	0	15	5
drouth	1	11	0	1	7	dull	48	203	289	203*	179
drove	A	260	490	260*	?	dullness (l)	3	28	11	4	19

dully to easy

	G	T	L	J	S		G	T	L	J	S
dully	4	17	40	17	2	Dwight	1	2	3	7	22
Duluth	2	7	6	7	28	dwindle	9	57	44	23	39
duly	9	57	20	30	71	dye	23	130	88	52	149
Dumas	1	3	2	0	14	dyer	1	14	7	5	8
dumb	34	188	162	188*	77	dying (adj. n.)	44	200	196	200*	198*
dumbbell	1	3	10	1	6	dyke	1	11	14	4	0
dumbly	2	12	9	11	5	dynamic	2	6	32	0	15
dumfound (b)	1	2	16	3	4	dynamite	5	18	28	16	38
dummy	2	5	26	2	11	dynamo	2	16	15	6	8
dump	10	50	90	22	33	dynasty	9	28	6	13	116
dumpling	1	3	20	1	3	dysentery	1	16	7	2	7
dun	2	16	3	23	11	dyspepsia	1	14	2	0	4
Dunbar	1	5	3	3	14						
Duncan	10	7	80	4	94	each	AA	M	M	M	M
dunce	4	57	5	4	8	eager	39	165	241	165*	140
Dundee	1	6	9	3	12	eagerly	27	115	178	115*	85
dune	3	28	13	5	12	eagerness	13	50	80	72	35
dung	2	28	0	3	7	eagle	38	240	101	240*	112
dungeon	11	115	7	55	21	ear	AA	M	595	?	356
dunghill	1	16	0	4	4	ear drum	1	2	15	3	0
dupe	2	14	5	8	13	earl	33	115	22	255	216
duplicate	8	50	53	7	39	earldom	2	18	1	1	18
duplicity	1	7	6	0	9	early (E)	AA	M	M	M	M
durability	1	10	14	0	8	earn	A	420	278	300*	203
durable	7	57	24	9	52	earnest	29	155	118	155*	111
duration	6	28	15	6	66	earnestly	18	95	82	95	60
duress	1	5	3	7	3	earnestness	4	18	23	25	20
Durham	1	14	4	0	10	earnings	6	28	54	2	30
during	AA	M	M	M*	?	earring	2	4	18	10	10
durst	3	57	0	12	2	earshot	1	3	15	8	9
Duse	1	0	8	0	25	earth	AA	M	448	?	770
dusk	14	57	89	52	61	earthen	6	50	11	33	14
dusky	8	57	28	29	44	earthenware	3	28	4	23	7
dust	A	700	310	417*	242	earthly	14	160	20	35	44
duster	1	18	2	8	1	earthquake	15	115	29	52	91
dusty	15	115	74	55	35	earthworm	9	50	29	91	5
Dutch	A	230	97	305*	287	earthy	1	2	6	4	7
Dutchman	4	18	8	44	8	ease	A	300	243	234*	159
duteous	1	14	0	5	0	easel	1	3	10	5	6
dutiful	2	12	14	9	6	easily	A	260	499	260*	403
duty	AA	700	562	700*	808	east	AA	M	288	?	677
dwarf	25	115	43	194	105	Easter	10	130	38	28	0
dwelt	44	290	86	290*	136	easterly	1	7	0	4	21
dweller	7	28	23	50	32	eastern	A	235	132	235*	383
dwelling (n.)	26	160	67	160*	82	eastward	9	56	19	43	61
dwelling place	2	14	?	13	8	easy	AA	700?	M	815*	476
dwelt	18	130	18	121*	55						

easy chair to Egypt

	G	T	L	J	S		G	T	L	J	S
easy chair	1	2	14	0	2	editorial	20	45	86	10	232
easygoing	1	1	14	3	4	editorially	2	5	2	0	39
eat	AA	M	816	?	280*	editorship	1	4	2	2	12
eatable	1	4	5	18	4	Edmond	1	2	5	2	12
eaten	13	4	152	?	60*	Edmund	5	28	21	15	43
eater	3	14	22	20	1	Edna	4	2	76	0	0
eaves	6	57	16	35	15	educate	21	57	131	8	189
ebb	8	57	24	28	44	education	A	200	530	200*	504
ebon	1	14	1	0	5	educational	16	50	105	12	121
ebony	4	50	11	12	8	educator	3	5	27	4	23
ebullition	1	8	0	1	10	Edward	47	230	231	230*	160
eccentric	5	50	22	9	15	Edwards	4	0	19	22	40
eccentricity	2	6	15	6	16	Edwin	7	50	44	1	38
Ecclesiastes	1	6	2	0	12	eel	4	4	39	29	12
ecclesiastic	1	14	3	2	5	e'en	2	3	9	26	?
ecclesiastical	5	12	7	2	80	e'er	9	130	4	25	?
echo (E)	42	240	163	240*	130	eerie	1	7	8	7	3
eclipse	8	57	14	38	43	efface	2	18	5	4	14
école	1	7	0	0	24	effect	A	420	750	420*	120
economic	A	28	315	9	693	effective	27	47	196	44	214
economical	9	40	59	11	55	effectively	5	10	42	12	38
economically	2	10	30	1	0	effectiveness	2	3	18	4	15
economics	8	1	119	0	40	effectual	2	25	2	8	18
economist	9	50	32	1	85	effectually	3	32	4	13	20
economize	2	12	23	4	6	effeminate	3	50	8	1	6
economy	21	57	124	32	174	effervescence	1	8	0	3	8
ecstasy	10	57	81	16	32	efficacious	1	10	5	1	8
ecstatic	2	18	22	5	5	efficacy	3	28	11	8	13
ecstatically	1	2	18	3	2	efficiency	18	28	137	22	151
Ecuador	1	11	3	0	18	efficient	17	41	146	31	100
Eddie	9	3	156	9	3	efficiently	3	9	40	1	20
eddy (E)	8	57	46	33	20	effigy	1	16	4	2	12
Eden	9	90	51	10	23	effort	AA	280	717	280*	660
Edgar	3	18	19	1	27	effrontery	1	10	10	0	4
edge	AA	700	551	513*	286	effulgence	1	10	0	2	6
Edgeworth	1	2	24	1	0	effuse	1	3	1	0	23
edging (n.)	3	14	26	14*	2*	effusion	1	12	1	5	1
edible	4	50	15	13	10	effusive	1	3	9	1	5
edict	4	16	7	21	39	eft	1	7	0	12	1
edifice	9	90	12	11	57	egg	AA	M	847	?	136
edify	3	50	6	4	9	eggplant	1	8	9	1	0
Edinburgh	9	14	6	14	133	eggshell	1	4	17	9	5
Edison	5	17	22	9	43	eglintine	1	16	0	9	2
edit	7	12	49	8	71	egotism	1	11	15	0	3
Edith	18	90	213	4	20	egress	1	10	1	3	4
edition	19	57	66	10	210	egret	1	2	0	19	1
editor	A	50	492	44	482	Egypt	39	200	40	200*	264

Egyptian to eloquently

	G	T	L	J	S		G	T	L	J	S
Egyptian	22	90	32	64	217	electron	1	4	6	0	17
eh	12	12	153	44	12	elegance	5	14	55	13	12
eight	AA	700	657	586*	402	elegant	13	105	81	26	36
eighteen	44	250	215	200*	136	elegantly	1	10	9	4	1
eighteenth	13	57	37	33	121	elegy	2	14	0	1	21
eighth	24	230	57	110*	44	element	A	160	205	160	404
eighty	22	160	82	51	109	elemental	2	18	13	2	12
Einstein	6	4	64	4	39	elementary	7	57	25	13	43
either	AA	700	M	700*	994	elephant	35	130	144	287	84
ejaculate	3	6	19	22	8	elevate (d)	17	115	94	37	64
ejaculation	1	10	10	4	5	elevation	10	57	11	13	109
eject	2	18	7	16	11	elevator	15	57	142	13	68
eke	3	16	17	17	5	eleven	45	240	227	207*	153
el	9	5	18	0	140	eleventh	6	57	25	20	16
elaborate	20	51	121	55	148	elf	8	90	6	58	4
elaborately	2	6	11	8	20	elfin	1	12	6	4	1
elaboration	1	4	4	0	12	Elgin	1	4	1	1	20
Elaine	2	3	21	10	6	Eli	1	14	10	11	0
elapse	6	50	24	22	28	elicit	2	18	11	5	10
elastic	12	90	35	49	45	eligibility	1	6	4	0	8
elasticity	3	14	8	3	35	eligible	3	12	29	4	13
elated (adj.)	1	3	25	0	2	Elijah	2	18	2	9	17
elation	2	4	33	3	4	eliminate	18	57	117	5	147
Elbe	1	14	0	0	15	elimination	4	12	31	0	44
elbow	26	160	134	117	66	Eliot (tt)	1	7	0	2	12
elder	32	160	104	167	149	Elisha	1	11	1	4	3
elderly	8	28	94	17	19	elixir	1	10	3	1	11
eldest	13	130	28	39	48	Eliza	1	4	6	10	6
Eleanor	7	28	65	33	9	Elizabeth	A	130	339	387	86
Eleanora	1	2	7	0	9	Elizabethan	2	10	3	22	12
elect	A	360	123	292*	392	elk	7	11	25	70	27
election	49	200	158	125	401	ell	1	13	0	5	3
elective	1	10	4	4	11	Ella	7	90	49	2	0
elector	7	50	5	12	60	Ellen	13	57	160	14	9
electoral	3	16	6	3	29	Elliott	6	3	95	1	15
electorate	1	4	6	2	14	ellipse	1	10	9	11	5
electric	A	200	320	266*	278	elliptical	1	4	5	7	8
electrical	16	49	93	13	142	Ellis	3	8	47	3	6
electrically	2	8	14	1	26	elm	16	160	48	65	23
electrician	2	16	24	0	4	Elmer	2	3	20	3	15
electricity	18	57	76	85	106	elocution	1	12	2	3	2
electrify	3	18	9	14	17	elongate	2	12	5	7	13
electro	1	7	0	1	10	elope	2	14	27	0	4
electrolyte	1	4	0	0	21	elopement	1	4	18	0	2
electrolytic	1	3	0	0	19	eloquence	9	90	19	14	51
electromagnet	1	6	0	10	11	eloquent	8	48	37	17	44
electromotive	1	5	0	0	28	eloquently	1	9	7	6	7

Elsa to enchant

	G	T	L	J	S		G	T	L	J	S
Elsa	1	18	14	0	0	emigrant	8	28	6	97	28
else	AA	700	M	700*	479	emigrate	3	28	10	3	25
elsewhere	29	130	113	105	182	emigration	2	18	2	6	17
Elsie	6	16	94	1	0	Emil	1	2	7	1	15
elucidate	1	8	5	0	6	Emile	10*	0	4	178	9
elude	4	28	15	24	17	Emily	8	57	67	0	23
elusive	3	7	29	7	12	eminence	5	50	8	5	28
elves	6	57	3	55	1	eminent	11	45	40	13	108
Ely	2	14	8	4	21	eminently	3	12	14	6	25
Elysian	1	14	0	11	3	emir	1	10	0	0	13
Elysium (e)	1	14	4	4	5	emissary	2	14	5	6	16
em ('em)	39	58	465	70	113	emission	1	5	1	3	9
emaciate	2	10	9	14	4	emit	5	28	16	22	36
emanate	2	10	16	1	16	Emma	14	57	181	23	0
emanation	1	10	2	0	8	Emmanuel	2	14	0	8	17
emancipate	2	16	7	2	11	emolument	1	11	2	0	5
emancipation	4	28	10	22	24	emotion	34	90	354	52	116
embalm	2	18	9	11	10	emotional	9	12	121	2	33
embankment	2	11	8	9	15	emotionally	1	2	24	0	5
embargo	1	8	0	0	16	emperor	45	210	44	210*	356
embark	8	57	31	40	33	emphasis	10	57	79	9	52
embarrass	16	57	150	44	53	emphasize	15	50	90	11	125
embarrassment	9	28	83	27	32	emphatic	4	18	22	17	23
embassy	7	57	26	4	54	emphatically	4	4	33	10	42
embattle	2	28	4	5	6	empire	A	270	89	270*	540
embed	2	12	12	11	11	employ	A	320	241	320*	509
embellish	2	18	7	5	11	employee (é)	?	3	118	0	2
embellishment	1	16	4	8	4	employee	21	115	61	19	192
ember	5	50	16	20	10	employer	23	57	154	29	181
embitter	2	18	14	5	13	employment	28	90	148	51	216
emblazon	1	7	5	7	7	emporium	1	5	9	1	6
emblem	5	28	15	23	34	empower	4	50	5	3	15
embodiment	1	11	9	4	10	empress	7	57	18	28	37
embody	8	57	33	7	56	emptiness	2	18	24	5	6
embolden	1	16	1	5	3	empty	A	390	395	390*	196
emboss	2	18	3	8	7	emulate	1	14	9	5	7
embrace	34	220	114	157*	318	emulation	2	50	1	2	0
embrasure	1	10	3	9	3	emulsion	2	28	5	0	7
embroider	14	90	77	73	28	enable	39	115	183	123	282
embroidery	9	90	40	23	16	enact	9	57	33	13	68
embroid	1	8	3	5	6	enactment	3	11	5	3	46
embryo	4	57	5	0	17	enamel	8	57	48	20	21
emerald	9	57	61	35	22	enamored (ed)	2	28	3	4	4
emerge	21	57	159	60	102	encamp	5	57	5	28	14
emergency	19	57	154	25	115	encampment	1	12	5	7	1
Emerson	9	28	32	71	46	encase	1	7	10	4	4
emery (E)	3	18	20	8	14	enchant	11	73	62	44	24

enchanter to enrich

	G	T	L	J	S		G	T	L	J	S
enchanter	1	18	1	10	4	enfranchise	1	18	0	0	1
enchancing (adj.)	3	17	23	5	11	enfranchisement	1	10	2	0	6
enchantment	8	57	23	33	31	engage	A	237	424	237*	338
enchantress	2	28	3	7	4	engaged (adj.)	3	8	30	8*	12
encircle	7	50	24	29	25	engagement	24	90	216	47	88
enclose	19	160	64	44	84	engaging (adj.)	2	7	35	0	2
enclosure	4	28	18	25	12	engender	3	28	15	8	9
encompass	2	28	3	11	9	engine	A	300	262	300*	278
encore	2	8	31	2	4	engineer	40	130	218	126	251
encounter	35	160	153	187	147	engineering (n.)	15	8	79	12	184
encourage	48	220	205	220*	219	England	AA	700	497	700*	M
encouragement	11	50	61	28	72	Englander	7	130	6	3	0
encroach	2	28	1	4	14	English	AA	700	642	700*	M
encroachment	2	16	6	6	25	Englishman	23	130	80	65	142
encrust	1	8	4	4	7	Englishwoman	2	7	20	3	15
encumber	3	28	6	8	15	engrave	8	57	27	30	38
encyclical	1	2	3	0	20	engraver	2	12	9	3	15
encyclopedia (ae)	4	50	9	11	16	engraving (n.)	3	7	7	5	45
encyclopedia (ae)	1	7	1	0	15	engross	3	28	21	6	13
end	AA	M	M	M	M	engulf	2	12	19	9	6
endanger	3	14	14	16	20	enhance	5	28	38	5	27
endear	4	50	10	11	15	Enid	4	6	68	0	3
endearment	1	14	14	2	3	enigma	1	14	7	2	7
endeavor	32	130	87	112	258	enigmatic	1	10	16	0	7
ending (n.)	14	90	39	90	39	enigmatical	1	11	8	0	6
endless	21	114	135	66	76	enjoin	4	57	8	11	13
endlessly	2	16	24	6	7	enjoy	AA	700	647	566*	352
endorse	3	16	26	6	16	enjoyable	1	6	20	4	5
endorsement	1	4	16	1	5	enjoyment	13	57	82	49	49
endosperm	1	12	0	0	16	enlarge	18	130	56	49	103
endow	12	90	40	33	55	enlargement	2	14	8	5	22
endowment	3	28	16	3	21	enlighten	8	57	45	19	38
endue	3	57	1	1	0	enlightenment	1	2	14	1	17
endurable	1	6	8	3	3	enlist	11	57	75	45	38
endurance	10	50	46	51	43	enlistment	1	4	11	2	15
endure	42	210	188	210*	156	enliven	3	28	14	10	11
enduring (adj.)	4	25	20	25*	19	enmity	6	57	10	20	23
endwise	1	0	2	18	0	ennoble	4	57	3	2	14
Endymion	1	4	0	12	12	Enoch	2	14	0	5	22
enemy	AA	700	883	700*	650	enormity	1	10	8	0	9
energetic	8	50	39	29	30	enormous	49	190	209	190*	309
energetically	2	2	6	12	23	enormously	7	30	47	30*	34
energy	41	115	241	116	283	enough	AA	M	M	M*	892
enfeeble	1	18	0	8	6	enquire	3	57	0	1	1
enfold	2	12	21	10	6	enrage	6	57	16	32	11
enforce	20	90	61	47	175	enrapture	1	8	8	3	6
enforcement	9	14	43	6	101	enrich	11	90	42	32	40

enroll to equipment

	G	T	L	J	S		G	T	L	J	S
enroll (l)	6	57	17	6	28	envelope (n.)	22	130	221	42	11
enrollment (l)	1	16	6	6	4	enviable	1	6	16	3	7
ensconce	1	7	3	4	5	envious	6	70	15	15	19
ensemble	4	4	66	0	3	enviously	1	20	8	6	0
enshrine	1	12	3	1	6	environ(s)	2	18	2	2	15
ensign	5	57	15	1	22	environment	13	57	91	13	89
enslave	2	18	7	3	13	envoy	4	16	5	10	47
ensnare	1	16	2	0	2	envy	27	235	78	125*	63
ensue	12	90	35	34	73	Epaminondas	1	4	0	0	20
ensure	2	7	5	7	18	epaulet (ette)	1	6	2	3	9
entail	5	16	41	8	26	ephemeral	1	8	5	1	8
entangle	7	57	18	32	24	Ephesian (s)	1	14	0	0	5
entanglement	2	10	15	3	11	Ephesus	3	18	0	1	43
entente	1	6	4	0	15	Ephraim	2	7	1	22	14
enter	AA	700	881	700*	862	epic	4	18	22	7	32
enterprise	29	90	133	94	205	epicure	1	6	10	6	4
enterprising	4	12	26	19	16	epicurean (E)	1	18	6	2	4
entertain	40	224	233	184*	96	epidemic	8	50	28	5	74
entertainer	1	3	18	3	6	epidermis	1	28	2	0	1
entertaining (adj.)	2	11	12	9	5	epigram	2	16	5	0	26
entertainment	21	90	145	73	77	epilepsy	1	10	9	0	5
enthrall (l)	2	11	24	0	3	epilogue	1	7	2	0	12
enthrone	2	28	6	5	6	episcopal	5	28	8	0	61
enthusiasm	28	90	199	98	124	episode	7	28	52	10	36
enthusiast	4	16	29	5	24	epistle	7	50	3	5	80
enthusiastic	12	57	54	56	65	epitaph	6	57	13	4	34
enthusiastically	4	6	37	12	22	epithet	3	16	17	5	19
entice	7	90	17	22	10	epitome	1	11	6	1	8
entire	A	485	406	485*	350	epoch	5	28	13	14	45
entirely	A	215	517	215*	469	Epsom	1	12	6	2	0
entitle	25	130	111	38	186	Epstein	1	0	4	0	15
entity	1	11	10	1	11	equable	1	14	6	3	10
entomb	1	12	1	1	5	equal	A	494	300	494*	504
entrails	2	28	1	12	3	equality	10	57	30	26	72
entrance	A	245	258	245*	187	equalization	1	4	6	0	10
entrap	1	14	2	8	6	equalize	2	14	4	3	16
entreat	9	90	7	65	17	equally	45	206	196	206*	211
entreaty	5	50	1	23	16	equanimity	1	8	10	2	8
entree (ée)	1	0	19	1	2	equation	4	50	7	2	26
entrepreneur	3	1	4	0	66	equator	8	57	2	31	63
entrust	6	28	23	11	56	equatorial	3	18	2	2	48
entry	17	130	65	37	74	equestrian	1	11	0	5	10
entwine	1	12	5	4	3	equilibrium	3	12	14	11	27
enumerate	5	50	9	8	27	equinox	1	11	1	7	2
enunciate	1	8	5	1	9	equip	21	90	124	68	113
enunciation	1	4	8	0	7	equipment	1	16	1	8	8
envelop	7	16	39	4	72		31	57	271	50	185

equitable to evacuate

	G	T	L	J	S		G	T	L	J	S
equitable	2	12	7	2	23	essentially	8	18	40	13	86
equity	5	57	12	4	21	Essex	1	2	5	4	9
equivalent	12	57	59	6	98	establish	A	320	327	320*	750
equivocal	1	12	1	1	5	establishment	25	90	90	39	232
er (E)	7	11	103	1	0	estate	44	230	196	202*	180
era	14	50	61	44	98	esteem	17	160	17	66	66
eradicate	2	28	6	3	10	ester	1	4	30	0	0
erase	2	18	24	2	4	Esther	1	14	9	7	3
eraser	1	18	4	2	3	esthetic	1	3	15	0	0
Erasmus	1	6	8	1	6	estimable	1	10	8	4	2
ere	35	350	25	161	107	estimate	40	130	160	57	387
erect	44	250	110	250*	199	estimation	5	50	11	10	25
erection	3	18	5	6	39	estrangle	2	18	8	3	8
Eric	14	0	83	183	3	estuary	2	10	0	2	26
Erie	5	57	6	13	24	etc.	21	115	55	39	181
ermine	3	12	19	17	10	etch	2	11	15	5	7
Ernest	2	0	21	0	21	etching (n.)	2	5	16	1	16
Ernst	1	7	0	6	12	eternal	30	212	87	138*	114
Eros	1	4	0	17	3	eternally	3	23	17	16*	8
erosion	2	18	7	8	11	eternity	10	90	42	12	53
err	11	160	14	10	26	Ethel	5	14	64	20	6
errand	20	130	68	132	37	ether	4	57	0	1	16
errant	2	14	1	21	7	ethereal	4	57	15	3	9
erratic	1	6	12	8	9	ethical	2	14	17	0	17
erroneous	4	40	11	10	27	ethics	3	16	25	5	24
erroneously	1	10	5	1	5	Ethiopian	1	20	2	3	7
error	36	250	78	165*	166	ethyl	1	2	0	0	17
erstwhile	1	1	11	5	4	ethylene	1	2	0	0	30
erudition	1	12	1	0	10	Etienne	3	2	3	51	3
eruption	5	28	8	22	35	etiquette	5	16	61	8	16
escapade	1	10	12	7	0	Eton	1	11	7	3	9
escape	AA	700	412	700*	396	Etruria (n)	1	11	0	1	20
escarpment	1	5	2	0	11	Etruscan	2	10	0	6	36
eschew	1	16	2	2	4	etymology	1	10	3	0	6
escort	13	57	72	84	29	Euboea (n)	1	3	0	1	23
escutcheon	1	28	1	3	3	Euclid	1	14	3	5	5
Eskimo	5	18	8	25	54	Eugene	3	12	36	1	12
especial	4	13	20	13*	30	eulogy	1	12	9	4	10
especially	AA	417	625	417*	959	eunuch	4	57	1	5	9
espionage	1	6	3	0	14	Euphrates	2	28	1	4	15
espouse	3	57	1	3	10	Eurasia (n)	1	4	0	0	16
espy	4	50	5	19	7	Euripides	1	15	3	3	6
esquire	10	3	14	115	54	Europa	2	2	2	30	6
essay	14	57	37	31	135	Europe	AA	330	419	330*	920
essayist	1	10	0	1	7	European	48	130	208	41	501
essence	8	57	37	9	42	Eva	3	12	38	0	6
essential	33	72	226	51	260	evacuate	3	11	9	7	33

evacuation to exclaim

	G	T	L	J	S		G	T	L	J	S
evacuation	3	11	24	6	21	exact	34	166	136	166*	157
evade	5	16	43	7	30	exacting	3	19	15	19*	17
evaluate	1	4	6	0	8	exaction	1	11	7	1	11
evanescent	1	10	6	0	2	exactitude	1	7	3	0	9
evangelical	2	12	4	0	24	exactly	A	245	636	245*	230
Evangeline	1	1	14	1	3	exactness	1	5	5	4	16
evangelist	2	12	6	7	11	exaggerate	11	57	70	11	63
Evans	3	2	25	4	37	exaggeration	3	16	21	8	25
evaporate	6	50	31	21	23	exalt	13	115	50	45	39
evaporation	5	50	15	3	26	exaltation	2	14	14	4	6
evasion	2	16	19	1	11	examination	28	160	138	56	151
evasive	1	6	5	4	4	examine	A	280	210	233*	210
eve	17	149	50	80*	39	examiner	3	28	12	2	26
Eve	10	86	28	46*	23	example	AA	360	474	360*	636
Evelyn	7	7	116	0	3	exasperate	5	18	44	22	16
even	AA	M	M	M	M	exasperation	1	7	15	5	4
evening	AA	700	M	700*	731	Excalibur	4	2	11	28	32
evenly	9	?	65	?	18	excavate	3	16	9	25	11
event	A	360	332	360*	412	excavation	5	28	22	16	36
eventful	2	18	6	10	9	exceed	26	110*	59	110*	190
eventide	2	14	4	15	8	exceeding					
eventual	1	10	6	1	15	(adj. adv.)	7	30*	14	30*	54
eventually	9	40	0	22	100	exceedingly	18	80*	72	80*	108
ever	AA	M	M	M*	832	excel	11	115	9	26	49
Everett	1	7	13	3	3	excellence	8	57	20	17	56
evergreen	9	57	52	50	13	excellency	5	18	25	33	30
everlasting	10	112	35	12	35	excellent	A	310	345	310*	285
everlastingly	1	18	5	3	7	excellently	2	10	8	10	13
evermore	6	90	1	14	13	except	AA	700	933	700*	635
every	AA	M	M	M	M	excepting					
everybody	A	280	656	280*	276	(prep. conj.)	2	12	20	12	8
everyday	10	57	66	23	45	exception	31	130	131	84	225
everyone	25	130	154	53	?	exceptional	7	32	36	13	55
everything	AA	700	M	700*	463	exceptionally	5	25	41	10	29
everywhere	A	235	302	269*	270	excerpt	3	3	40	0	12
evidence	A	130	348	155	392	excess	22	130	85	22	166
evident	22	40	136	77	144	excessive	12	75	33	21	94
evidently	42	120	223	260	160	excessively	2	15	8	6	16
evil	A	390	144	280*	307	exchange	A	280	256	280*	408
evildoer	1	12	2	7	4	exchequer	3	28	6	6	25
evince	3	28	6	7	17	excise	2	14	3	0	20
evoke	2	8	13	8	24	excitable	1	8	7	5	5
evolution	9	28	36	18	87	excite	47	168	362	168*	155
evolutionary	1	8	9	1	11	excitedly	5	10*	68	10*	3
evolve	5	11	44	5	40	excitement	43	90	352	215	124
ewe	7	115	20	6	2	exciting (adj.)	8	32	65	32*	27
ewer	3	5	48	6	0	exclaim	A	235	411	235*	138

exclamation to exporter

	G	T	L	J	S		G	T	L	J	S
exclamation	9	57	38	53	15	expand	15	57	80	61	82
exclude	11	57	38	17	96	expanse	5	28	13	30	21
exclusion	4	28	14	2	34	expansion	12	57	44	10	109
exclusive	11	63	56	14	70	expansive	2	12	10	8	6
exclusively	9	52	50	13	55	expect	AA	700	M	700*	645
excommunicate	4	50	3	8	16	expectancy	1	14	14	2	5
excommunication	1	14	5	3	8	expectant	4	30	20	20	7
ex-convict	1	0	20	0	0	expectantly	2	20	15	14	2
excrement	1	28	3	3	1	expectation	14	90	25	48	102
excretion	1	16	0	1	2	expediency	1	8	11	1	13
excruciating	1	2	12	2	4	expedient	7	57	30	14	30
excursion	8	57	39	27	32	expedition	40	130	75	257	267
excuse	A	260	353	260*	116	expeditions	1	10	5	6	3
execration	1	16	0	4	6	expel	9	90	18	18	46
execute	20	130	49	48	137	expend	8	50	18	26	57
execution	16	90	34	54	118	expenditure	16	50	50	20	175
executioner	2	18	4	23	4	expense	A	280	379	280*	311
executive	31	90	181	68	232	expensive	28	124	265	33	97
executor	3	50	10	3	6	expensively	1	6	12	0	0
exemplary	1	12	5	10	8	experience	AA	326	953	326*	580
exemplify	3	14	11	4	26	experienced (adj.)	9	24	71	24*	43
exempt	6	57	14	10	29	experiment	A	90	244	303	312
exemption	2	12	8	1	28	experimental	7	24	40	7	64
exercise	AA	700	319	461*	364	experimentally	1	4	5	1	13
exert	11	50	43	43	79	experimentation	1	6	14	1	10
exertion	7	50	15	36	38	experimenter	1	1	3	11	9
Exeter	2	28	3	3	9	expert	39	112	334	61	202
exhalation	1	16	2	4	3	expertly	1	3	16	0	1
exhale	4	50	11	7	9	expiate	1	14	0	1	3
exhaust	28	130	151	118	121	expiration	1	18	6	2	8
exhaustion	9	57	45	37	28	expire	10	130	13	11	28
exhaustive	2	11	16	0	23	explain	AA	340	M	650*	536
exhibit	28	130	119	74	185	explanation	31	90	178	115	177
exhibition	15	57	59	60	101	explanatory	1	10	8	2	9
exhibitor (er)	2	7	20	1	9	explicit	2	10	12	5	20
exhilarate	2	16	16	6	8	explode	9	50	63	26	38
exhilaration	1	6	14	5	5	exploit	12	90	44	32	59
exhort	2	28	11	2	11	exploitation	2	7	10	2	25
exhortation	3	50	6	2	13	exploration	13	90	30	64	57
exigency	1	11	6	3	10	explore	19	115	70	108	53
exile	17	115	39	58	98	explorer	10	57	27	44	52
exist	A	130	352	3	675	explosion	15	50	64	68	100
existence	45	115	217	105	384	explosive	9	50	37	20	55
exit	8	50	35	53	16	exponent	2	12	4	1	24
exodus (E)	1	14	7	1	11	export	24	90	88	7	261
exorbitant	1	8	5	3	14	exportation	2	12	2	7	20
exotic	3	11	39	0	9	exporter	1	3	8	0	14

expose to failure

	G	T	L	J	S		G	T	L	J	S
expose	32	160	101	154	176	exuberant	1	11	13	4	6
exposition	10	50	79	10	49	exude	1	6	3	2	9
expostulate	1	12	7	1	1	exult	4	45	9	14	12
expostulation	1	11	1	3	3	exultant	2	9	16	13	3
exposure	11	50	75	27	51	exultation	5	50	13	24	12
expound	3	28	9	10	12	exultingly	1	12	1	7	3
express	AA	680	418	546*	541	eye	AA	M	M	M*	908
expression	A	90	412	157	363	eyeball	1	18	9	4	0
expressionless	1	5	19	2	3	eyebrow	12	57	115	51	5
expressive	4	28	28	11	16	eyeglass	1	3	13	2	6
expressly	3	20	10	16	17	eyelash	2	6	28	12	2
expulsion	3	14	8	3	42	eyelid	9	57	64	32	19
exquisite	16	74	133	29	68	eyesight	3	28	13	10	6
exquisitely	3	16	36	5	9	eyrie (y)	1	7	0	0	21
extant	2	18	1	0	19						
extend	A	659	73	571*	483	F.	5	?	?	8	38
extended (adj.)	6	41*	4	35*	30	fable (d)	13	130	15	20	74
extension	18	90	72	34	143	Fabre	1	1	3	6	16
extensive	20	74	54	33	206	fabric	21	57	191	33	110
extensively	4	16	16	14	35	fabricate	1	11	4	2	16
extent	47	130	188	99	431	fabrication	1	8	9	0	12
extenuate	1	18	3	1	2	fabulous	6	50	21	8	32
exterior	7	57	48	10	25	façade	3	14	13	1	26
exterminate	3	16	9	14	16	face	AA	M	M	M	M
extermination	2	16	9	8	17	facet	1	6	6	12	0
external	10	45	26	17	96	facetious	2	10	16	4	10
externally	1	5	4	2	10	facial	3	18	46	0	0
extinct	6	57	13	10	39	facile	1	18	6	0	8
extinction	3	14	9	11	25	facilitate	6	18	13	9	84
extinguish	7	57	16	30	34	facility	23	57	70	12	290
extol (II)	4	57	5	9	4	facing (n.)	1	4	21	3	6
extort	1	16	2	3	6	fact	AA	700	M	M*	M
extortion	2	14	7	1	18	faction	8	57	20	10	66
extra	32	130	340	24	84	factor	35	57	99	19	470
extract	16	90	68	44	97	factory	A	230	272	230*	422
extraction	2	10	7	6	13	faculty	22	90	88	39	180
extradition	1	8	3	0	14	fad	2	12	22	1	4
extraordinarily	5	17	32	19	31	fade	41	300	108	215*	130
extraordinary	30	98	139	107	207	faery	1	4	0	3	12
extravagance	7	16	64	8	46	fag	3	5	8	50	6
extravagant	10	57	54	26	53	faggot	2	16	0	3	18
extreme	38	135	143	135*	276	fagot	1	10	2	18	0
extremely	35	125*	209	125*	176	Fahrenheit	2	28	3	4	10
extremist	2	8	1	0	31	fail	AA	410	620	410*	750
extremity	10	57	9	49	78	failing (n. prep.)	3	5	30	5	14
extricate	2	12	14	13	9	failure	48	90	262	100	428
exuberance	1	10	11	4	7						

fain to fatherland

	G	T	L	J	S		G	T	L	J	S
fain	11	57	3	92	52	fang	4	28	4	37	14
faint	A	230	308	230*	228	Fannie	6	90	15	2	2
faintly	19	80	137	80	56	Fanny	5	0	15	3	80
faintness	1	5	5	5	6	fantail	1	0	0	28	2
fair	AA	M	561	?	?	fantastic	11	57	74	21	48
Fairfax	1	1	16	1	10	fantastical	1	11	8	3	6
fair-haired	1	2	9	9	0	fantasy	4	28	20	6	22
fairly	A	?	290	?	320	far	AA	M	M	M	M*
fairness	4	7	30	10	28	faraway	3	11	1	36	12
fairy	35	290	106	177*	64	farce	5	57	16	5	28
fairyland	7	90	15	12	13	farcical	1	3	4	1	10
fairy tale	1	0	10	4	4	fare	A	330	112	301*	272
faith	A	360	459	360*	412	farewell	35	240	68	192*	144
faithful	48	283	104	283*	200	farm (ing)	AA	700	826	700*	882
faithfully	16	97	44	97*	60	farmer	AA	340	519	340*	944
faithfulness	3	28	7	12	10	farmhouse	12	50	72	60	45
faithless	4	57	6	11	10	farmstead	1	8	1	3	6
fake	3	6	53	1	10	farmyard	4	57	5	13	6
falcon	7	57	5	58	16	faro	1	1	12	6	0
falconer	1	7	0	11	2	far-off	8	57	31	38	26
Falkland	2	0	0	0	38	Farragut	1	0	0	19	2
fall	AA	M	M	M*	?	far-reaching	4	11	21	11	30
fallacious	1	11	2	0	6	farrier	1	14	1	14	2
fallacy	2	12	18	1	22	far-sighted	1	0	12	1	8
fallen	A	160	236	301	?	farther	A	350	230	271*	234
fallow	3	28	4	3	14	farthest	8	90	16	28	24
false	A	291	209	291*	272	farthing	4	28	2	25	26
falsehood	11	115	17	17	52	fascinate	2	57	230	71	62
falsely	1	9*	8	9*	8	fascination	7	16	46	35	30
Falstaff	1	6	2	3	8	Fascism (f)	1	0	19	0	9
falter	10	57	76	8	54	Fascist (f)	1	0	12	0	17
fame (d)	A	280	107	280*	304	fashion	A	380	441	380*	364
familiar	A	250	345	250*	420	fashionable	12	57	112	22	48
familiarity	5	18	29	18	40	fast	AA	M	514	?	?
familiarize	2	10	11	2	20	fasten (ing)	40	280	142	198*	116
family	AA	M	M	M	M*	fastidious	2	12	21	9	10
famine	15	160	9	29	72	fastness	2	14	11	12	14
famish	4	50	6	25	8	fat	AA	700	512	468*	236
famous	AA	700	452	639*	578	fatal	27	146	87	89	176
fan	38	280	145	184*	88	fatality	2	10	10	6	16
fanatic	3	28	18	2	18	fatally	2	14	6	5	18
fanatical	2	10	17	0	10	fate	A	270	239	270*	344
fanaticism	2	10	5	1	20	fated	1	5	5	5	4
fancier	1	11	3	10	2	fateful	2	4	20	8	10
fanciful	3	14	14	15	18	father	AA	M	M	M	M
fancy (ied)	A	500	194	323*	274	father-in-law	2	6	17	2	12
fane	2	14	27	2	2	fatherland	3	12	10	15	22

fatherless to festivity

	G	T	L	J	S		G	T	L	J	S
fatherless	1	18	4	8	0	feel	AA	M	M	M*	?
fatherly	2	14	12	11	4	feeler	3	28	1	16	10
fathom	8	57	22	31	46	feeling	A	430	967	430*	?
fathomless	1	14	1	0	8	feelingly	1	4	6	3	6
fatigue	19	57	105	76	104	feet	AA	M	M	M	M*
fatness	1	12	0	5	4	feign	9	130	10	18	16
fatten	4	50	14	8	8	feint	1	8	4	10	10
fatty	1	5	10	3	10	feldspar	2	4	0	45	0
faucet	2	18	12	9	4	felicity	3	14	31	8	12
fault	A	310	382	310*	224	feline	2	0	9	24	4
faultless	4	28	24	3	18	Felix	6	18	63	21	8
faulty	4	28	25	0	20	fell	AA	700	683	?	?
faun	1	16	6	13	0	fellow	AA	700	860	700*	844
fauna	1	8	2	3	14	fellow citizen	1	2	2	8	11
Faust	2	8	1	27	6	fellowship	9	90	22	29	34
favor (ed)	AA	700	353	700*	800	felon	2	28	4	9	2
favorable	26	122	93	71	186	felony	1	11	14	1	4
favorably	8	38	23	14	72	felspar	1	1	0	0	18
favorite	A	245	381	245*	296	felt	AA	700	M	?	?
favoritism	1	6	5	2	6	female	38	220	116	174*	186
fawn	13	57	13	142	22	feminine	8	57	40*	15	48
fay	1	14	0	4	5	fen	3	50	0	6	4
fealty	2	18	2	16	6	fence (ing)	A	500	256	273*	62
fear	AA	M	711	?	?	fender	2	14	20	4	6
fearful	27	210	70	142*	74	fennel	1	8	0	19	2
fearfully	7	?	46	?	18	Ferdinand	8	28	14	43	64
fearless	11	77	26	70	32	ferment	5	50	15	5	20
fearlessly	2	13	7	15	7	fermentation	3	50	0	0	18
feasible	3	14	18	3	32	fern	13	115	33	62	26
feast	45	360	67	253*	146	ferocious	4	16	14	29	17
feat	13	90	37	75	40	ferocity	4	18	16	26	15
feather (ed)	44	400	45	252*	104	ferret	2	16	10	7	8
feathery	2	18	12	15	4	ferry	11	90	68	20	34
feature	A	240	422	240*	546	fertile	18	130	8	97	98
Feb.	1	12	8	0	0	fertility	5	50	7	8	36
February	A	250	280	250*	340	fertilization	1	28	0	1	6
fecundity	1	11	4	4	6	fertilize	6	57	7	31	16
fed	41	250	162	195*	140	fertilizer	7	57	28	23	18
federal (F)	49	90	217	109	562	fervent	4	28	11	12	30
federalist (F)	3	11	1	25	20	fervently	3	22	23	9	10
federation	16	50	63	0	190	fervid	1	12	6	3	5
fee	21	130	103	24	126	fervor	6	50	26	10	24
feeble	23	123	42	126	136	festal	2	18	3	9	8
feebleness	1	8	2	10	2	fester	1	18	4	1	4
feebly	7	37	37	34	20	festival	18	115	32	79	98
feed	A	700	256	453*	206	festive	4	28	23	12	10
feeder	5	57	14	2	18	festivity	4	18	20	20	16

festoon to finish

	G	T	L	J	S		G	T	L	J	S
festoon	2	12	10	9	7	fiftieth	1	14	3	3	6
fetch	32	240	99	146*	98	fifty	AA	410	525	410*	670
fete (fête)	2	3	18	14	14	fifty-fifty	1	1	19	0	4
fetish	1	7	13	1	4	fifty-five	1	3	27	1	0
fetter	8	90	3	15	40	fifty-four	1	6	15	1	2
feud	6	50	9	26	24	fig	13	115	62	22	36
feudal	7	50	16	21	54	fight	AA	700	M	M*	M
feudalism	1	6	4	3	14	fighter	14	57	88	74	46
fever	45	269	176	210*	164	figuratively	1	9	7	0	3
fevered	1	11	9	9	6	figure	AA	700	M	700*	M
feverish	7	40	54	18	22	figurehead	1	5	6	6	12
feverishly	1	10	22	0	2	filament	7	50	4	12	74
few	AA	M	M	M	M	filch	1	11	5	3	2
fiancé	1	7	22	0	0	file	43	230	174	200*	170
fiancée	1	2	18	0	0	filial	4	58	7	5	6
fiat	1	10	1	0	18	filings	2	5	0	45	0
fib	2	12	10	3	12	Filipino	7	4	127	4	7
fiber	15	90	106	48	122	fill (ing)	AA	M	M	M*	M*
fibre	1	5	5	8	0	filler	1	16	3	2	0
fibrous	3	16	4	17	18	fillet	2	28	8	2	10
fickle	6	57	12	16	24	Fillmore	1	1	29	0	0
fickleness	1	18	1	2	0	film	31	90	214	24	238
fiction	14	57	93	13	90	filmy	1	11	11	7	4
fictitious	2	14	10	2	16	filter	8	57	34	28	38
fiddle	6	57	25	17	20	filth	4	57	13	9	4
fiddler	2	12	9	18	6	filthy	6	57	41	17	2
fidelity	6	57	7	18	36	fin	6	57	8	28	22
fidget	2	11	14	12	4	final	A	350	345	338*	320
Fido	1	14	0	5	2	finale	1	6	10	4	6
fiduciary	1	3	0	0	24	finality	2	6	26	2	8
fie	1	16	2	12	4	finally	AA	350	M	715	706
fief	1	10	0	1	8	finance	35	57	232	14	336
field	AA	M	661	?	?	financial	47	82	261	27	490
Field	7	?	48	?	20	financially	4	8	51	2	28
fielder	1	7	2	0	16	financier	4	18	28	2	36
Fielding	1	0	0	1	18	finch	1	12	2	12	4
fiend	8	90	18	22	20	find	AA	M	M	M	M
fiendish	1	6	14	8	5	finding (n.)	15	?	70	?	?
fierce	44	240	114	240*	208	fine	AA	M	M	M*	?
fiercely	22	120	102	120*	57	finely	14	?	96	?	32
fierceness	3	28	8	19	12	fineness	3	28	9	15	14
fiery	19	160	35	93	66	finery	2	4	20	5	8
fife	4	50	8	8	20	finesse	2	6	13	1	22
fifteen	A	380	410	380*	446	finger (ing)	AA	700	858	636*	356
fifteenth	9	90	24	25	26	fingernail	1	2	13	6	3
fifth	A	350	193	245*	120	fingerprint	1	1	25	0	0
fifthly	2	20	0	14*	8	finish (ed)	AA	700	M	700*	424

finite to flay

	G	T	L	J	S		G	T	L	J	S
finite	1	16	2	0	10	fx	A	427	309	394*	362
Finland	3	16	7	4	34	fixation	1	11	7	0	2
Finley	1	0	10	2	10	fixed (adj.)	A	273	180	254*	234
Finn	2	6	22	1	16	fixedly	2	?	12	?	8
Finnish	1	6	23	2	4	fixture	7	57	48	3	24
fiord	2	12	0	11	20	fiabby	1	10	8	7	0
fir	11	130	14	34	26	flag	A	380	135	380*	328
fire	AA	M	M	M	?	flagon	2	11	0	19	6
firearm	2	16	15	15	2	flagrant	2	10	15	2	17
firebrand	2	28	3	7	12	flagship	1	7	2	16	8
fire engine	1	1	0	12	8	flagstaff	1	2	1	9	7
firefly	5	14	71	12	0	flagstone	1	1	11	8	6
fireless	1	11	7	2	3	flail	1	12	7	7	8
firelight	3	6	22	16	12	flair	1	2	24	0	4
fireman	9	57	45	16	50	flake	10	90	59	26	22
fireplace	19	57	143	94	51	flaky	1	6	16	7	0
fireproof	2	14	8	4	12	flame	A	279	259	279*	292
fireside	5	57	6	17	26	flaming	6	31*	29*	31*	32
firewood	3	18	15	21	9	flamingo	2	8	2	37	0
fireworks	3	11	14	19	21	Flanders	4	18	3	33	22
firm	A	469	425	403*	314	flange	1	14	1	1	4
firmament	7	90	7	7	24	flank	15	90	62	64	54
firmly	43	231	236	198*	126	flannel	9	57	79	14	18
firmness	6	50	26	20	22	flap	16	90	51	109	52
first	AA	M	M	M	M	flapper	1	6	22	0	6
first-born	3	57	5	3	0	flare	10	50	93	36	10
first-class	5	7	52	8	34	flash (ing)	A	330	366	330*	206
first-hand	2	0	10	2	24	flashlight	3	4	43	2	8
first-rate	2	10	15	14	14	flashy	1	6	19	8	0
firth	1	11	4	5	8	flask	4	28	16	17	20
fiscal	5	14	14	0	80	flat	A	372	510	372*	280
fish (ing)	AA	700	597	700*	482	flatboat	2	5	4	24	10
fisher	8	39*	50*	42	22	flatiron	1	4	7	7	2
Fisher	4	18*	24*	3	28	flatly	4	18	24	18*	14
fisherman	26	115	70	167	122	flatten	7	16	39	48	26
fishery	4	16	6	11	52	flatter	25	161	84	161*	46
fishhook	1	10	1	12	2	flatterer	2	28	0	5	12
Fiske	1	2	8	1	24	flattering (adj.)	10	69	35	69	20
fissure	4	28	4	28	20	flattery	8	90	31	7	24
fist	23	160	132	57	66	flaunt	3	28	19	6	4
fit	AA	680	587	611*	547	flavor	23	109	245	4	68
fitful	3	12	17	11	14	flavoring (n.)	2	6	27	0	4*
fitness	5	50	21	7	16	flaw	6	57	24	7	20
fitting (adj.)	4	20*	23*	22*	19	flawless	1	3	17	1	0
Fitzgerald	1	2	10	4	6	flax	14	130	38	38	58
Fitzpatrick	2	2	21	14	14	flaxen	1	12	1	17	4
five	AA	M	M	M*	M*	flay	2	16	5	6	10

flea to fog

	G	T	L	J	S		G	T	L	J	S
flea	4	28	18	14	12	florid	1	11	8	6	2
fleck	1	12	5	8	8	Florida	25	90	132	42	202
flecked	2	16	4	8	8	florin	4	8	4	58	18
fled	35	220	89	220*	118	florist	2	18	24	1	0
fledge	1	16	3	5	2	floss	3	50	11	7	0
fledgling	1	7	2	14	6	flotilla	1	4	1	5	11
flee	18	160	34	58	84	flounce	2	18	13	4	2
fleece	9	115	10	16	22	flounder	6	28	34	32	14
fleecy	4	57	4	8	4	flour	A	340	396	211*	82
fleet	A	275	69	275*	393	flourish	25	160	72	81	148
fleeting	4	15	38	15	21	flout	1	14	7	3	8
Fleming	2	14	2	18	10	flow	AA	700	220	550*	400
Flemish	3	16	3	21	30	flower	AA	M	902	M*	?
flesh	A	350	179	264*	178	floweret	1	18	3	2	4
fleshly	1	7	3	0	8	flowerpot	1	7	6	12	2
fleshy	2	14	4	29	6	flowery	8	115	6	27	4
Fletcher	4	16	23	25	8	flown	8	16	49	53	40
flew	A	280	164	280*	222*	Floyd	8	4	128	4	22
flexibility	1	11	13	3	6	fluctuate	3	14	8	1	36
flexible	8	57	29	39	24	fluctuation	4	28	12	2	36
flick	4	1	48	15	8	flue	2	14	5	11	6
flicker	13	50	69	71	52	fluent	2	16	6	1	14
flier	2	7	8	27	0	fluently	1	12	5	3	7
flies	29	210	53	210*	?	fluff	2	14	29	4	4
flight	A	245	223	229*	218	fluffy	5	11	52	21	6
flighty	1	7	9	2	2	fluid	15	115	45	21	104
flimsy	2	18	25	4	4	flume	1	4	3	6	6
finch	3	16	10	14	16	flung	31	115	181	159	117
fling	15	115	57	39	75	flurry	3	14	24	12	4
flint	9	90	18	38	26	flush	23	50	215	61	92
flinty	1	16	4	5	8	fluster	1	8	14	3	4
flip	3	5	29	16	11	flute	9	83	13	51	22
flippant	2	14	23	2	7	fluted	1	7	14	2	2
flirt	7	57	45	7	28	flutter	27	200	110	128*	56
flirtation	1	6	20	2	4	flux	1	14	0	2	14
flit	12	90	22	62	56	fly	AA	M	634	?	?
float	A	280	211	280*	310	flyer	3	2	35	7	22
flock	44	290	98	232*	174	foal	1	6	9	3	0
flog	2	16	7	24	8	foam	21	160	41	108	82
flood	A	290	325	290*	226	foamy	1	11	10	4	8
floor	AA	M	M	M*	?	focal	1	7	6	0	16
flooring (n.)	2	12	10	13	?	Foch	2	2	12	0	32
flop	5	14	58	28	6	focus	11	57	68	36	48
flora (F)	7	28	74	8	16	fodder	4	57	10	12	2
floral	2	8	20	2	10	foe	23	250	18	0	150
Florence	A	90	175	190	720	foeman	1	5	7	7	9
Florentine	2	12	3	13	14	fog	18	130	107	57	46

foggy to foretell

	G	T	L	J	S		G	T	L	J	S
foggy	4	50	11	10	6	forbid	29	240	35	165*	90
foible	1	12	9	1	6	forbidden	14	115	65	43	40
foil	7	90	18	14	16	force	AA	700	M	700*	M
fold	A	370	342	283*	196	forceful	2	16	23	5	8
folder	2	16	27	1	6	forceps	1	10	11	4	4
foliage	12	57	70	51	54	forcible	3	21	4	9	28
folio	2	28	6	3	12	forcibly	5	36	12	13	44
folk	A	390	409	315*	240	ford	16	100	89	91	22
folklore	2	4	2	6	24	Ford	16	30	100	0	158
follow	AA	M	M	M*	?	fore	11	90	23	60	28
follower	30	115	45	228	158	forearm	2	12	10	8	16
following (n. adj.)	AA	700	551	?	?	forebode	1	6	4	4	5
folly	29	235	72	156*	76	foreboding	3	12	21	7	17
foment	1	11	3	1	10	forecast	6	18	26	10	56
fond	49	298	171	231*	186	forecast's	3	16	17	12	10
fondle	1	8	15	3	5	foreclose	1	4	14	1	2
fondly	6	42	25	32	26	forefather	7	57	9	62	14
fondness	5	14	20	28	30	forefinger	4	16	38	20	15
font	1	14	0	7	0	forefoot	1	16	1	3	4
food	AA	M	M	M*	?	forefront	1	14	0	7	12
foodstuff	2	28	15	0	4	forego	3	28	5	6	20
fool	AA	500	M	500*	308	foregoing (n. adj.)	3	28	7	5	26
foolery	1	10	1	7	0	foregone	3	16	3	2	18
foolhardy	1	8	0	4	6	foreground	3	16	20	12	8
foolish	36	254	223	175*	96	forehead	41	270	188	185*	100
foolishly	5	36	35	23*	10	foreign	AA	370	362	370*	M
foolishness	4	28	30	10	16	foreigner	27	130	92	132	146
foot	AA	M	505	M*	?	foreknowledge	1	12	2	0	4
football	26	90	203	92	100	foreleg	1	5	1	18	10
footfall	2	14	6	9	7	forelock	1	16	3	4	2
foothill	2	3	14	16	4	foreman	7	28	110	30	58
foothold	4	14	20	20	18	foremost	17	115	24	70	106
footing	5	28	16	37	20*	forenoon	9	130	11	15	10
footlights	1	0	24	0	4	forepaw	1	2	1	28	2
footman	4	57	11	11	10	forerunner	1	14	5	8	8
footpath	2	12	1	21	16	foresaw	2	16	11	9	15
footprint	3	12	15	33	6	foresee	8	60	18	31	37
footsore	1	10	2	8	0	foreseen	4	30	16	14	22
footstep	18	115	101	79	34	foreshadow	1	12	4	3	12
footstool	2	18	9	14	0	foreshorten	1	6	4	1	8
for	AA	M	M	M	M	foresight	7	50	22	27	36
forage	5	50	11	24	16	forest	AA	700	209	700*	806
foray	1	11	9	9	4	forestall	3	10	12	5	28
forbade (bad)	6	50	16	32	22	forester	4	28	11	34	8
forbear	8	90	18	24	25	forestry	2	18	13	1	14
forbearance	3	28	11	14	10	foretaste	1	14	3	2	0
Forbes	3	3	40	0	26	foretell	2	18	3	15	3

forethought to fragrance

	G	T	L	J	S		G	T	L	J	S
forethought	1	7	4	6	4	fortitude	5	50	13	9	18
foretold	5	57	9	12	13	fortnight	11	57	27	96	28
forever	A	160	352	248*	232	fortress	18	115	17	160	44
forewarn	1	14	4	3	4	fortuitous	1	11	3	1	7
forfeit	9	90	12	40	34	fortunate	23	88	136	79	116
forfeiture	2	18	6	3	10	fortunately	19	72	111	74	90
forgave	3	28	16	3	13	fortune	A	390	382	390*	428
forge (ing)	17	115	48	107	36	forty	A	430	283	400*	484
forgery	3	16	12	15	12	forty-eight	2	5	38	0	0
forget	AA	700	882	700*	379	forty-five	5	18	75	2	0
forgetful	2	10	9	16	6	forty-six	1	0	19	1	0
forgetfulness	6	57	12	11	30	forum	5	18	69	1	18
forget-me-not	1	4	6	3	8	forward	AA	700	736	700*	?
forgive	40	200	206	200*	134	fosse	2	2	0	31	10
forgiven	7	30	48	30	25	fossil	6	57	10	26	26
forgiveness	10	90	43	28	26	foster	14	90	93*	20	52
forgiving	1	6	11	6	2	Foster	9	0	140*	2	30
forgot	A	260	245	260*	190	fought	A	330	210	330*	213
forgotten	A	245	436	245*	167	foul	27	235	39	153*	72*
fork	31	225	137	141*	62	found	AA	M	M	M*	M*
forlorn	10	79	41	35	38	foundation	A	230	200	230*	332
forlornly	1	11	11	2	3	founder	15	115	36	24	112
form	AA	M	792	M*	?	foundry	3	12	6	6	32
formal	22	43	166	27	168	fount	3	57	1	3	2
formality	7	28	51	11	42	fountain	34	260	83	153*	116
formally	7	14	27	21½	70	fountainhead	1	6	2	2	12
formation	19	57	44	69	186	four	AA	M	M	M*	M*
former	AA	510	233	401*	720	four-footed	1	3	2	14	2
formerly	44	190	102	150	258	fourscore	5	57	1	17	16
formidable	12	57	34	43	98	fourteen	32	160	143	89	190
Formosa	1	5	3	0	12	fourteenth	4	28	19	21	16
Formosan	1	1	0	0	24	fourth	A	700	221	371*	192
formula	11	50	59	5	92	fowl	20	200	27	92*	48
formulate	6	28	28	2	52	fowler	1	14	1	6	0
formulation	1	10	1	0	9	Fowler	1	0	15	4	2
forsake	7	90	13	13	26	fox	25	170	135	116*	42
forsaken	6	70	11	13	21	Fox	25	170*	135	115*	38
forsook	4	57	5	8	15	foxglove	2	50	1	1	0
forsooth	2	8	0	23	8	foxy	1	1	17	5	2
fort	43	245	87	245*	208	foyer	1	5	18	0	0
forth	AA	700	465	652*	792	Fra	2	0	14	7	16
Forth	1	?	?	0	16	fraction	12	90	36	30	70
forthcoming	3	16	14	8	28	fractional	1	10	3	3	3
forthwith	10	90	17	48	26	fracture	7	28	26	20	54
fortieth	1	12	2	2	2	fragile	7	50	68	13	10
fortification	7	28	10	22	68	fragment	24	90	56	109	194
fortify	9	57	25	31	56	fragrance	12	90	70	32	36

fragrant to fritter

	G	T	L	J	S		G	T	L	J	S
fragrant	14	115	66	50	30	freeman	10	90	15	63	21
frail	16	160	58	32	54	freeze	32	250	116	148*	77
frailty	3	57	6	0	6	freezer	1	3	0	2	18
frame	A	240	335	240*	216	freight	34	210	99	156*	158
framer	1	3	3	12	7	freighter	1	2	11	2	4
framework	6	28	16	30	40	Fremont	3	1	2	53	10
franc	14	18	61	15	168	French	AA	700	738	700*	46
France	AA	700	328	700*	M	Frenchman	22	57	55	83	212
Frances	12	57	142	15	16	frenzied	1	1	24	3	0
Francesca	1	0	16	0	4	frenzy	7	57	39	24	16
franchise	4	16	6	4	58	frequency	4	14	10	19	42
Francis	21	115	55	42	182	frequent	32	120	138	120*	208
Franciscan	2	7	10	3	18	frequently	A	200	272	200*	302
Francisco	8	16	72	13	58	fresco	2	11	5	4	28
François	2	5	11	0	24	fresh	AA	M	551	?	?
frank	32	130	176	130*	142	freshen	2	12	13	8	6
Frank	38	160	207	160*	168	freshet	1	8	2	16	4
Frankfort	4	57	2	1	12	freshly	7	?	53	?	10
frankfurter	1	3	10	0	11	freshman	3	14	44	2	10
frankincense	1	18	1	0	4	freshness	6	57	33	18	9
Frankish	1	5	0	0	16	fresh-water	1	4	1	6	18
Franklin	18	85	90	99	66	fret (ted)	20	220	32	93	30
frankly	29	?	156	?	106	fretful	4	54	12	10	8
frankness	5	28	27	11	30	fretfully	1	13	4	3	0
frantic	12	50	121	37	20	friar	26	90	11	106	262
frantically	6	2	83	19	4	fricassee	1	4	26	4	0
Franz	5	7	39	15	24	friction	9	57	22	26	72
Fraser	1	2	15	3	14	Friday	40	310	189	182*	46
fraternal	4	57	10	3	14	fried	9	57	105	5	4
fraternity	8	50	40	8	50	friend (F)	AA	M	M	M	M
Frau	4	8	41	26	2	friendless	3	14	5	17	18
fraud	10	90	31	40	36	friendliness	6	12	53	26	22
fraudulent	2	14	16	0	13	friendly	A	320	357	320*	360
fraught	4	57	8	12	10	friendship	A	240	222	234*	240
Fräulein	1	0	18	7	2	frieze	3	28	10	8	18
fray	7	57	32	25	24	frigate	3	16	1	31	17
freak	5	28	44	16	10	fright	39	240	105	177	186
freakish	1	8	3	3	14	frighten	27	280	76	123*	12
freckle (d)	8	57	64	7	22	frightful	10	37	67	56	20
Fred	36	130	488	10	22	frightfully	5	20	47	24	4
Frederic (ck)	21	57	164	9	160	frigid	2	28	18	3	2
Fredericksburg	1	11	0	12	4	frill	4	16	44	10	4
free	AA	M	777	M*	?	fringe	17	115	71	81	54
freebooter	1	6	1	13	4	frillery	1	28	5	1	0
freedom	A	380	256	333*	362	frisk	4	28	14	16	14
freehold	1	3	2	1	12	frisky	1	11	2	13	2
freely	28	?	90	?	170	fritter	1	8	11	1	0

Fritz to gabardine

	G	T	L	J	S		G	T	L	J	S
Fritz	3	57	8	4	0	fumble	7	18	71	18	20
frivolity	2	17	12	3	4	fume	8	57	32	35	30
frivolous	5	50	23	4	18	fumigate	1	8	4	1	18
frizzle	1	11	5	2	2	fun	A	340	424	285*	90
fro	14	115	31	72	46	function	36	90	165	27	368
frock	20	90	250	25	4	functional	1	6	4	0	11
frog	25	200	35	200*	30	functionary	1	6	3	10	8
frolic	11	90	20	36	60	fund	42	115	237	34	380
frolicsome	1	10	6	9	1	fundamental	22	51	88	28	242
from	AA	M	M	M	M	fundamentally	3	6	26	3	24
front	AA	M	M	M*	?	funeral	33	235	129	147*	87
frontage	1	6	8	1	4	funereal	1	11	0	1	7
frontal	1	12	1	1	6	fungi	1	11	4	4	0
frontier	23	57	52	135	174	fungus	5	50	6	6	42
frontiersman	1	5	4	15	5	funnel	5	14	8	37	40
frost	41	400	95	180*	76	funny	A	235	428	243*	69
frosty	8	90	18	31	16	fur (red, ring)	A	420	261	420*	200
froth	3	16	11	15	22	furious	21	107	112	90	78
froward	3	57	0	2	0	furiously	11	53	82	49	18
frown	28	160	216	76	52	furl	1	11	10	10	2
froze	5	57	20	5	14	furlong	2	14	1	14	10
frozen	36	240	156	166*	103	furnace	29	160	83	160	130
frugal	4	50	6	7	16	furnish	A	375	303	375*	414
frugality	1	10	3	2	4	furnishings	1	5	6	5*	6
fruit	AA	700	630	551*	322	furniture	A	270	367	171*	72
fruitful	10	115	7	34	40	furrow	9	90	17	38	28
fruitfulness	1	10	4	4	2	furry	2	14	8	21	6
fruition	1	11	1	2	6	further	AA	370	479	370*	M
fruitless	6	57	17	23	20	furthermore	15	57	77	35	118
frustrate	5	57	23	11	14	furthest	1	5	8	9	2
frustration	1	5	17	2	3	furtive	3	11	25	8	14
fry	11	90	182	7	20	furtively	2	7	18	11	4
ft.	7*	?	?	?	?	fury	29	160	113	145	104
fudge	1	8	22	3	2	fuse	7	28	46	17	40
fuel	21	160	64	59	108	fusion	2	28	6	3	10
fugitive	11	90	38	31	46	fuss	11	57	91	33	18
fulfil (II)	21	130	68	88	104	fussy	2	5	23	10	6
fulfilment (II)	4	16	19	7	33	fustian	1	8	2	8	8
full	AA	M	M	M*	M*	futile	7	18	61	5	52
fuller	1	6	6	2	4	futility	2	7	23	1	12
Fuller	3	0	24	4	38	future	AA	380	707	380*	684
full-fledged	1	2	14	5	0	futurity	1	18	1	4	0
full-grown	2	1	11	24	8	fuzzy	1	11	13	11	0
full-length	1	2	14	1	2						
fullness (I)	7	90	23	13	12						
fully	A	200	228	200*	284	Ga.	4	50	2	0	24
Fulton	9	90	9	49	26	gabardine	3	57	5	0	2

gabble to gauge

	G	T	L	J	S		G	T	L	J	S
gabble	2	18	10	5	3	Gandhi	1	2	2	0	24
gable (d)	4	12	15	34	18	gang	25	90	253	37	86
Gabriel	2	18	13	6	10	Ganges	1	12	2	1	4
gad	4	57	16	3	6	ganglion	1	12	0	0	10
gadfly	1	4	1	9	4	gangplank	1	0	13	4	2
gadget	2	0	36	0	3	gangrene	1	11	9	1	0
gaff	1	6	4	12	2	gangster	6	0	89	0	31
gag	3	12	30	11	6	gangway	2	5	18	22	4
gage	2	10	3	19	13	gaol	1	12	0	11	2
gaiety	5	28	28	16	27	gaoler	1	8	0	16	1
gaily	9	57	42	38	32	gap	17	130	54	77	59
gain	AA	700	352	544*	581	gape	7	57	33	28	17
gainful	1	6	16	1	4	garage	14	57	185	2	24
gainsay	2	14	1	21	5	garb	7	50	16	26	34
gainst ('gainst)	1	18	1	2	0	garbage	4	28	29	15	14
gait	9	90	27	28	22	garden	AA	M	M	M*	?
gaiter	1	18	1	4	7	gardener	15	130	91	45	19
gal.	5	57	37	1	3	gardenia	1	0	20	0	0
gala	2	8	17	6	9	Gardner	1	0	10	0	22
Galahad	15	14	3	233	20	Gareth	12	3	0	114	113
Galatia (n)	1	11	1	1	17	Garfield	2	6	7	2	23
galaxy	3	10	4	2	42	Garibaldi	2	2	1	38	6
gale	15	130	55	43	56	garish	1	10	14	1	9
galena	1	4	0	16	8	garland	11	130	13	33	33
Galilee	2	28	3	2	16	garlic	3	12	30	22	5
Galileo	3	6	2	52	6	garment	40	245	195	180*	114
gall	7	90	11	15	26	garner (G)	4	14	28	9	21
gallant	20	113	61	104	89	garnet	2	7	11	18	12
gallantly	3	17	14	15	10	garnish	11	57	120	9	14
gallantry	4	28	15	19	25	garret	7	50	9	53	15
galleon	1	11	3	6	3	garrison (G)	19	57	23	97	175
gallery	28	130	116	136	122	garrulous	1	12	6	3	0
galley	8	50	17	52	32	garter	5	57	11	12	14
Gallic	1	14	5	1	9	Gary	4	0	63	0	12
gallon	12	90	47	12	75	gas	A	200	329	200*	680
gallop	25	160	68	177	62	Gascon	1	3	0	13	2
gallows	9	90	10	52	12	gaseous	5	50	1	24	24
galvanize	2	12	17	10	7	gash	5	57	21	19	9
Galveston	1	5	4	5	8	gasoline (ene)	15	90	70	12	110
gamble	16	50	165	23	66	gasp	29	57	324	90	51
gambler	4	5	34	6	28	gate	AA	700	311	700*	344
gambol	2	28	1	11	7	Gates	5	0	0	0	92
game	AA	700	966	700*	639	gateway	11	57	31	56	68
gamekeeper	1	17	1	4	3	gather	AA	652	607	652*	528
gamester	1	11	0	13	7	gathering (n.)	9	48	42	48*	37
gamut	1	14	6	1	4	gaudy	5	28	22	20	21
gander	2	16	1	19	13	gauge	5	28	32	7	33

Gaul to Gibbons

	G	T	L	J	S		G	T	L	J	S
Gaul	7	28	8	18	82	gentleman	AA	700	580	576*	574
gaunt (G)	9	57	42	49	29	gentleness	7	57	22	26	30
gauntlet	2	18	6	14	11	gentlewoman	3	14	11	19	25
gauze	6	50	29	21	14	gently	46	160	393	145	145
gave	AA	M	M	M*	M*	gentry	5	50	20	12	15
Gawain (e)	?	7	0	201	209	genuine	19	76	129	33	106
gay (G)	A	340	418	340*	163	genuinely	3	14	35	3	12
gayety	4	12	65	7	0	genuineness	1	4	4	4	8
gayly	5	10*	85	10*	0	genus	4	16	4	7	52
gaze	A	240	493	240*	283	Geoffrey	4	18	39	7	12
gazelle	1	6	2	2	16	geographer	1	16	7	4	8
gazette	1	11	0	5	9	geographic	2	10	8	1	23
Gazette	?	0	0	0	206	geographical	8	42	6	14	84
gear	9	57	54	19	48	geographically	1	8	9	6	5
gee	6	12	90	6	4	geography	14	130	29	62	41
geese	26	115	16	275	75*	geological	3	10	2	9	43
gelatin	7	18	102	2	10	geologist	2	8	9	10	19
gem	24	240	30	109*	57	geology	2	18	1	8	21
gendarme	2	4	4	18	15	geometric	1	12	6	0	2
gender	1	18	0	3	5	geometrical	1	8	5	2	12
general	AA	M	770	?	?	geometry	3	28	4	6	19
generality	2	10	10	0	22	George	AA	400	669	400*	803
generalization	1	10	9	0	7	georgette	1	28	1	0	1
generalize	2	12	3	2	24	Georgia	17	90	59	39	132
generally	A	292	291	292*	665	Georgian	4	1	73	0	7
generate	7	50	14	8	59	Geraint	1	2	1	18	4
generation	48	160	240	121	360	Gerald	1	2	19	0	8
generator	2	10	6	0	30	geranium	4	50	27	2	7
generosity	10	57	43	36	50	germ	10	57	37	28	58
generous	40	199	200	199*	128	German (g)	AA	340	403	340*	M
generously	8	41	43	41*	23	Germany	AA	240	224	240*	M
genesis (G)	2	7	7	1	28	germinate	5	28	11	47	4
Geneva	14	14	77	4	165	germination	2	16	3	20	11
genial	9	109	22	19	23	Gertrude	4	12	56	2	4
genially	1	6	11	1	1	gesticulate	1	4	9	10	3
genie	1	2	1	18	0	gesture	28	57	282	60	112
genius	30	130	158	24	233	get	AA	M	M	M	M
Genoa	3	28	0	6	35	Gettysburg	1	4	5	10	16
Genoese	1	3	0	6	12	geyser	1	14	1	5	8
genre	1	2	2	1	18	ghastly	10	57	86	26	27
gent	1	1	18	7	4	Ghent	1	6	0	1	12
genteel	3	50	8	3	10	ghost	32	260	76	144*	97
gentian	1	11	5	3	0	ghostly	4	28	30	20	10
gentile	1	6	5	3	12	giant	A	330	107	280*	231
gentility	1	14	2	3	4	giantess	1	2	2	17	0
gentle	AA	700	242	477*	489	gibbet	2	18	0	18	9
gentlefolk	1	5	4	12	2	Gibbons	1	2	8	0	20

gibe to glue

	G	T	L	J	S		G	T	L	J	S
gibe	1	12	10	4	1	glamorous	2	0	37	0	0
Gibraltar	2	10	16	6	10	glamour	4	10	55	3	14
Gibson	1	3	8	3	4	glance	A	270	818	270*	260
giddy	6	57	22	18	17	gland	5	18	22	17	38
Gideon	1	14	9	3	0	glandular	1	12	7	2	3
gift	A	648	351	440*	322	glare	26	130	164	111	69
gifted	7	52	30	33*	24	glaring (adj.)	1	4	10	4	2
gig	3	50	3	12	6	Glasgow	8	12	64	15	64
gigantic	13	57	57	48	72	glass	AA	700	M	700*	408
giggle	5	11	81	4	10	glassful	1	12	4	3	1
Gilbert	17	18	203	24	74	glassware	1	16	9	8	0
gild	13	130	29	45	44	glassy	4	16	17	31	18
gill	8	57	41	23	31	glaze	9	57	70	22	15
gilt	5	50	18	17	13	gleam	35	130	196	174	130
gin	9	57	51	38	26	glean	5	57	9	12	14
ginger	13	90	68	68	11	glee	9	90	21	42	20
gingerbread	6	57	51	7	5	gleeful	2	2	11	18	6
gingerly	2	2	27	9	2	glen	10	80	55	22	32
gingham	5	57	29	3	1	Glenn	3?	2	54	0	6
Giotto	1	0	0	15	8	glib	2	12	9	6	10
Giovanni	1	2	4	4	15	glide	24	160	36	151	86
gipsy (G)	9	28	62	19	53	glider	2	2	5	1	29
giraffe	1	10	1	6	3	glimmer	8	57	27	42	22
gird	6	90	4	12	7	glimpse	37	90	186	162	230
girder	2	4	7	12	23	glint	6	16	63	27	7
girdle	14	130	17	70	42	glisten	13	90	50	60	44
girl	AA	M	M	M	M*	glister	1	8	2	10	9
girlhood	2	1	32	11	3	glitter	33	210	122	210*	62
girlie	1	4	17	0	0	gloat	2	5	29	12	4
girlish	2	11	28	4	6	globe	41	240	43	240*	224
girt	4	57	1	10	7	globule	1	14	2	7	11
girth	3	28	7	15	11	gloom	18	130	74	60	65
gist	1	3	7	2	8	gloomily	3	15	21	21	14
git	10	3	192	2	0	gloomy	19	75	72	131	77
give	AA	M	M	M	M	gloria (G)	3	4	44	0	6
given	AA	M	M	M*	M*	glorify	9	90	35	16	22
giver	5	57	9	16	11	glorious	44	234	158	234*	174
gizzard	1	12	6	12	2	gloriously	5	26	31	26*	8
glacial	3	10	6	5	35	glory	A	400	186	400*	347
glacier	8	57	5	32	50	gloss	4	50	14	3	12
glad	AA	M	780	M*	?	glossy	5	50	19	27	10
gladden	2	16	3	12	11	Gloucester	3	7	18	16	30
glade	5	17	10	36	27	glove	43	300	167	194*	115
gladiator	1	16	2	6	5	glow	A	250	254	250*	172
gladly	16	?	82	?	64	glower	2	12	21	15	4
gladness	7	57	15	51	16	glowworm	1	16	1	6	4
Gladstone	1	3	12	2	10	glue	15	90	37	123	32

glum to graceless

	G	T	L	J	S		G	T	L	J	S
glum	2	10	19	8	8	good-for-nothing	1	?	11	11	4
glut	1	11	6	2	8	good-looking	5	3	86	3	7
gluten	1	14	7	4	1	goodly	16	160	18	53	64
glutton	2	14	5	7	10	goodman	2	30*	11	2	3
glycerin (ine)	1	18	2	2	1	good-natured	8	7	50	57	32
gnarled	2	9	18	18	6	goodness	34	230	127	157*	114
gnash	3	18	4	28	8	good night	5	1	53	13	36
gnat	4	57	3	15	5	good-sized	1	2	12	18	0
gnaw	14	90	35	110	21	good will	10	57	14	36	88
gnome	1	10	2	3	3	goody	4	57	5	8	3
go	AA	M	M	M	M	Goodyear	1	5	16	0	4
goad	3	28	15	6	11	goose	45	330	55	330*	100
goal	21	115	92	81	91	gooseberry	2	18	5	13	2
goat	A	420	57	420*	75	gopher	2	10	2	31	10
gobble	5	57	7	27	6	Gordon	9	16	119	10	32
gobbler	1	11	2	12	9	gore	7	90	21	12	8
goblet	7	57	10	43	30	gorge	9	57	25	44	44
goblin	14	28	6	211	7	gorgeous	17	108	97	59	50
god (G)	AA	M	710	?	?	gorgeously	1	7	6	4	4
goddess	22	130	21	186	59	Gorgon (g)	1	11	0	21	2
godfather	2	14	7	15	6	gorilla	3	10	12	5	41
godhead (G)	1	16	0	12	2	gory	1	10	0	5	11
godlike	4	57	2	12	17	gosh	6	0	103	3	5
godliness	1	18	4	0	1	gospel (G)	13	115	25	13	95
godly	1	18	4	6	3	gossamer	1	10	7	7	9
godmother	4	57	9	7	7	gossip	16	57	153	50	36
Godspeed	1	0	4	10	6	got	AA	M	M	M	M
goes	A	245	676	245*	?	Goth	1	14	0	15	4
Goethe	1	12	4	1	14	Gothic	7	57	10	18	53
goggle	1	4	12	6	3	gotten	8	14	47	47	36*
going (n. adj.)	AA	700	M	700*	?	gouge	1	8	2	8	5
gold	AA	M	712	M*	?	Gould	1	2	21	2	2
golden	AA	700	415	700*	357	gourd	2	18	0	22	3
goldenrod	1	12	4	7	2	gout	1	18	3	1	10
goldfinch	1	4	0	23	3	govern	39	240	65	179*	232
goldfish	1	5	18	5	6	governess	3	18	24	15	12
gold piece	1	0	22	0	0	government	AA	700	810	700*	M
goldsmith (G)	6	50	9	24	39	governmental	4	14	26	0	48
golf	26	50	278	1	143	governor	A	320	200	320*	661
Goliath	1	11	10	3	2	governor general	2	2	13	0	24
Gompers	1	0	0	0	26	governorship	1	2	4	3	18
gondola	2	10	15	15	5	gown	38	260	224	173*	35
gone	AA	700	M	M*	M*	grab	18	50	202	57	31
gong	4	12	52	9	10	grace (G)	A	700	259	403*	250
good	AA	M	M	M	M	graceful	19	97	96	91	66
good-by	30	128	288	136	0	gracefully	6	33	52	22	12
good-bye	8	32	45	6	61	graceless	1	16	3	1	7

gracious to greedily

	G	T	L	J	S		G	T	L	J	S
gracious	24	153	77	153*	56	grant (G)	AA	700	354	510*	476
graciously	9	57	33	57*	16	granulate	2	16	22	0	3
grackle	1	5	0	20	0	granulated (adj.)	2	14	22	0	2
grad	1	0	18	1	1	granule	1	12	0	4	4
gradation	2	28	4	6	13	grape	34	320	87	155*	59
grade	44	260	179	201*	164	grapefruit	2	6	33	1	0
gradual	13	50	21	50	119	grapevine	1	3	19	10	2
gradually	A	190	347	190*	278	graphic	3	10	20	10	30
graduate	28	130	200	37	146	graphically	1	4	5	0	14
graduation	5	18	69	4	10	graphite	4	18	1	54	12
graft	8	50	56	16	26	grapple	3	28	11	12	19
graham (G)	7	14	84	8	29	grasp	36	130	207	163	157
Grail	2	28	6	8	11	grass	AA	700	253	700*	313
grain	A	700	121	512*	349	grasshopper	14	130	20	80	30
grained (adj.)	1	2	3	13*	9	grassy	8	57	16	60	26
gram	1	14	7	3	6	grate	13	85	113	26	25
gramercy	2	6	6	8	29	grateful	37	209	194	209*	71
grammar	10	90	19	48	39	gratefully	5	31	32	31*	9
grammarian	1	10	1	2	14	gratification	4	28	13	6	30
grammar school	1	11	0	6	8	gratify	12	57	49	31	94
grammatical	1	12	3	0	14	grating	7	45	59	14	12
gramophone	1	1	0	21	4	gratis	2	28	4	1	4
Granada	1	7	5	4	4	gratitude	22	130	117	76	73
granary	3	16	8	19	19	gratuitous	1	10	2	0	16
grand	A	363	429	363*	350	grave	A	500	243	400*	397
grandam	1	10	0	12	1	gravel	15	90	42	99	43
grandchild	2	12	19	10	2	gravely	21	115*	116	115*	36
grandchildren	2	11	19	10	10	graven	1	18	4	5	0
granddaughter	2	12	33	7	0	graveyard	1	3	19	6	7
grandee	1	10	5	4	1	gravitation	4	28	0	28	17
grandeur	9	50	30	34	52	gravity	14	57	35	61	112
grandfather	36	220	142	220*	79	gravy	8	57	84	3	16
grandiose	1	11	3	0	4	gray (G)	AA	700	891	700*	200
grandly	1	7*	10	7*	4	grayish	1	3	7	19	0
grandma	10	130	32	25	3	graze	16	160	29	68	40
grandmamma	1	1	20	1	0	grease	16	90	120	42	42
grandmother	48	260	294	260*	55	greasy	4	12	35	20	11
grandpa	9	130	41	7	1	great	AA	M	M	M	M
grandpapa	2	1	10	4	37	Great Britain	3	7	33	11	17
grandparent	1	8	15	2	1	great-grandfather	1	7	8	12	0
Grand Rapids	1	0	2	0	18	great-grandmother	1	2	19	1	0
grandsire	3	57	1	1	8	greatly	A	?	192	?	482
grandson	8	57	32	44	24	greatness	15	130	24	60	69
grange (G)	5	57	7	7	33	Grecian	5	57	8	10	22
granger (G)	1	2	7	1	18	Greece	29	90	31	104	314
granite	15	90	29	90	70	greed	3	8	17	14	30
granny (nie)	17	3	168	141	1	greedily	3	27	9	17	6

greediness to guard

	G	T	L	J	S		G	T	L	J	S
greediness	1	14	2	3	1	grip	35	115	308	130	82
greedy	11	103	29	58	22	gripe	2	28	3	1	6
Greek	A	160	104	323	801	grisly	1	18	9	5	2
Greeley	2	0	8	14	14	grist	2	14	23	2	2
Greely	1	0	21	9	2	grit	5	16	44	25	10
green	AA	M	M	M*	?	gritty	1	4	10	2	3
greenback	2	10	5	1	27	grizzled	2	11	12	13	13
Greene	13?	3	6	10	222	grizzly	10	14	57	101	21
greenhouse	3	12	35	8	15	groan	34	240	153	156*	75
greenish	3	14	16	23	15	groat	1	4	3	15	5
Greenland	4	18	2	47	14	grocer	11	130	31	9	34
greenness	1	8	3	6	1	grocery	11	57	95	10	42
greensward	1	11	3	7	5	groom	16	90	91	103	19
Greenville	2	0	7	1	32	groove	8	57	19	55	22
Greenwich	2	14	25	5	9	grope	10	57	73	43	22
greenwood	4	16	1	61	11	gross	15	118	41	15	113
greet	A	310	238	310*	101	grossly	1	12	6	4	7
greeting (n.)	18	115	75	87	51	grossness	1	14	3	1	5
gregarious	1	5	6	12	2	grotesque	6	43	25	11	44
Gregory	3	16	22	9	14	grotesquely	1	7	7	2	2
grenadier	3	10	11	11	23	grotto	3	10	4	36	15
Grenfell	1	0	5	15	4	grouch	1	2	17	0	0
Gresham	2	2	39	0	6	ground	AA	M	739	M*	?
Greta	2	3	22	14	2	groundless	1	11	1	5	10
Gretchen	1	0	24	1	2	group	AA	280	M	280*	975
grew	AA	700	564	700*	?	grouse	8	10	10	129	11
grey (G)	19	160	28	42	112	grove	31	245	66	169*	93
greyhound	5	57	6	19	9	grovel	2	16	3	2	15
griddle	1	18	8	2	2	grow	AA	M	558	M*	?
gridiron	1	4	6	3	6	grower	3	12	44	4	5
grief	45	245	137	245*	185	growl	23	90	111	160	58
grievance	8	57	26	23	38	grown	A	?	347	?	?
grieve	31	220	51	220*	75	grown-up	6	2	33	55	27
grievous	7	63	5	34	36	growth	A	240	204	300*	360
grievously	3	27	6	18	9	grub	11	50	39	96	18
griffin (G)	1	4	9	4	12	grudge	10	90	57	22	22
grill	4	14	54	2	6	grudgingly	2	2	22	6	7
grim	22	60	140	148	60	gruel	1	9	5	6	4
grimace	2	16	19	9	7	grueling (II)	1	9	10	6	1
grime	1	12	9	1	6	gruesome	1	4	12	5	2
grimly	12	30	128	40	26	gruff	5	49	22	21	9
grimness	1	4	8	3	3	gruffly	4	41	27	13	3
grimy	2	7	19	13	5	grumble	14	90	63	75	37
grin	21	115	136	72	57	grunt	12	50	91	48	39
grind	18	245	81	150	52	guarantee	15	90	83	18	84
grinder	1	14	9	1	4	guaranty	5	4	11	0	79
grindstone	3	28	0	17	14	guard	AA	690	423	690*	360

guarded to hairless

	G	T	L	J	S		G	T	L	J	S
guarded (adj.)	1	10	6	10*	5	gurgle	3	12	27	25	7
guardedly	1	5	10	2	1	gush	9	90	27	33	28
guardhouse	1	1	5	8	4	gusher	1	1	0	12	5
guardian	17	90	39	74	113	gust	6	57	19	20	12
guardianship	1	10	7	10	4	gusto	1	4	15	4	0
guardsman	1	6	2	7	10	gusty	2	18	12	1	6
Guatemala (n)	2	8	6	1	30	gut	2	16	25	1	10
guerdon	1	12	0	1	5	Gutenberg	5?	4	1	85	0
guerilla (rr)	1	2	4	1	13	gutter	9	90	37	23	20
Guernsey (g)	1	12	6	0	0	guttural	1	14	4	1	4
guess	AA	700	933	700*	228	guy (G)	25?	16	360	44	40
guest	A	330	593	330*	147	gym	1	0	27	0	0
guffaw	1	2	14	2	1	gymnasium (G)	6	57	21	11	21
Guiana	1	7	0	3	8	gymnastic (s)	3	28	5	6	15
guidance	7	28	50	26	38	gyp	1	3	9	0	11
guide	AA	700	287	700*	261	gypsum	2	4	0	26	6
guidebook	1	2	21	2	7	gypsy (G)	7	50	67	20	0
Guido	7	6	116	1	6						
guild	8	28	35	16	67	ha	26	230	44	121*	89
guilder	2	11	0	6	20	habiliment	1	17	4	5	4
guile	4	57	3	22	7	habit	A	240	462	240*	334
guileless	1	7	8	2	7	habitable	2	18	6	12	8
guillotine	2	10	3	19	8	habitat	2	10	6	6	20
guilt	14	130	73	10	44	habitation	7	57	12	31	29
guiltily	2	10	32	10	0	habitual	4	29	24	8	28
guiltless	6	90	5	9	7	habitually	3	21	14	9	22
guilty	38	190	161	190*	150	habituate	1	10	0	0	8
guinea	4	38	9	10	28	Habsburg	1	5	0	0	16
Guinea	2	19	4	4	14	hack	7	57	41	25	19
Guineivere	7	11	0	113	2	hackney (ed)	1	18	3	4	9
guise	6	50	18	25	28	had	AA	M	M	M	M
guitar	4	18	43	7	8	haddock	1	14	6	0	2
gulch	3	2	12	10	45	Hades	2	6	4	26	9
gulf	33	245	52	185*	124	hadn't	A	14	907	129	?
gull	5	28	25	28	22	hadst	12	130	1	39	57*
gullet	1	16	2	3	2	hag	5	14	58	12	8
Gulliver	1	1	0	1	16	Hagen	4	2	6	55	12
gully	3	14	15	15	14	haggard	8	50	58	15	25
gulp	8	18	91	27	17	haggle	1	3	6	7	8
gum	11	90	49	31	37	Hague	4	12	4	27	32
gun	A	340	692	340*	326	hah	1	0	11	23	1
gunboat	2	4	3	22	15	hail	40	250	101	250*	123
gunman	2	4	22	0	10	hailstone	1	14	2	5	5
gunner	5	18	10	36	29	hair	AA	M	M	M*	242
gunpowder	6	57	2	28	22	hairdresser	1	2	28	3	1
Gunther	4?	2	0	68	2	hairless	1	10	5	5	0
gunwale	2	8	1	24	4						

hairpin to hardship

	G	T	L	J	S		G	T	L	J	S
hairpin	1	0	13	1	5	handiwork	1	16	0	13	6
hairy	7	50	15	49	15	handkerchief	35	270	151	161*	61
Haiti	3	28	7	0	30	handle	A	380	348	380*	338
Hal	5	0	76	27	4	handmade	1	16	14	2	1
hale	7	57	40	16	14	handmaid	2	18	3	10	7
Hale	3	12	4	10	30	handmaiden	1	6	1	10	2
half	AA	M	M	M	M	handshake	1	110	3	9	23
half-hearted	1	2	19	3	7	handsome	A	244	319	244	140
half-hour	4	15*	7	15	39	handsomely	3	16	13	16	15
halfway	11	16	98	40	59	handwriting	2	12	31	7	0
halibut	1	12	8	3	1	handy	10	57	77	26	34
Halifax	1	7	6	1	14	hang	AA	654	345	610*	365*
hall	AA	700	714	700*	349	hangar	3	18	28	0	9
Hall	16	70	60	17	142	hanger	1	4	16	1	9
Halle	1	7	0	0	12	hanging (n.)	10	46	70	42*	39
halloa	2	28	1	9	6	hangman	1	16	3	6	5
halloo	3	28	0	22	7	hank	1	5	9	2	11
hallow (ed)	7	90	19	4	13	Hanna	1	3	6	0	18
Halloween (e'en)	2	12	15	10	0	Hannah	12	57	64	91	16
hallucination	1	10	3	2	10	Hannibal	8	6	2	21	118
hallway	3	5	43	8	7	Hanover	4	50	4	2	21
halo	2	10	12	7	16	Hans	9	115	8	27	27
Hals	1	0	24	6	0	hansel (H)	1	2	0	32	0
halt	29	130	149	112	132	hap	5	57	6	17	14
halter	5	57	0	24	14	haphazard	2	12	16	12	10
halve	2	8	14	16	1	hapless	4	57	2	8	7
halves	3	8	40	6	0	haply	7	57	3	56	20
ham (H)	17	131	143	9	26	happen	AA	689	M	689*	766
Hamburg	4	11	9	13	46	happening	6	11	84	11*	12
Hamelin	1	4	1	10	9	happily	23	130	175	52	66
Hamilton	24	130	51	32	224	happiness	A	300	761	300*	185
hamlet (H)	15	115	30	31	100	happy	AA	M	M	M*	540
hammer	34	280	106	157*	84	harangue	2	18	9	4	15
hammock	6	50	39	23	12	harass	7	50	28	24	29
Hammond	3	2	35	0	20	harbinger	1	18	2	6	9
Hampden	1	12	2	0	12	harbor	A	270	166	270*	298
hamper	8	50	42	15	40	Harcourt	2	2	4	33	4
Hampshire	3	18	14	7	30	hard	AA	M	M	M*	M
Hampton	2	7	18	3	24	hard-bitten	2	0	45	0	1
hand	AA	M	M	M	M	hard-boiled	1	0	32	1	0
handbag	1	2	20	0	0	harden	19	115	119	67	43
handbook	1	2	9	1	8	hard-hearted	1	12	5	5	0
handcuff	1	2	16	1	8	hardihood	2	14	3	13	7
Handel	2	11	1	18	16	Harding	14	5	28	0	226
handful	17	115	49	83	69	hardly	A	380	121	380*	452
handicap	11	50	75	8	74	hardness	8	50	21	42	39
handicraft	2	10	10	7	10	hardship	19	90	91	85	79

hardware to hazel

	G	T	L	J	S		G	T	L	J	S
hardware	8	90	39	5	13	hast	36	160	10	318	160*
hardwood	2	11	14	7	17	haste	48	320	77	320*	152
hardy	15	130	26*	63	59	hasten	41	260	87	260*	141
Hardy	6	?	73*	?	36	hastily	25	90	167	122	83
hare	18	160	24	102	43	Hastings	2	6	18	6	6
harem	2	14	2	1	27	hasty	15	115	51	62	42
hark	14	160	3	50	43	hat	AA	700	976	700*	350
harken	3	2	69	0	0	hatch	19	90	41	151	66
Harlem	4	16	54	3	14	hatchet	8	90	4	34	23
Harlequin (h)	1	10	6	8	2	hate	A	400	756	400*	234
harlot	3	57	3	1	1	hateful	9	90	32	39	11
harm	A	340	256	340*	163	hater	1	12	3	2	3
harmful	7	28	44	13	47	hath	40	130	15	456	130*
harmless	15	84	53	78	63	hatred	20	130	98	44	88
harmlessly	1	6	5	3	4	hatter	1	1	4	1	12
harmonic	1	10	2	1	21	Hattie	2	12	16	0	10
harmonica	2	4	30	1	2	haughtily	5	40	11	29	12
harmonious	6	57	26	8	26	haughtiness	1	8	1	17	6
harmonize	4	18	31	4	22	haughty	10	90	17	40	45
harmony	23	160	69	37	160	haul	21	90	105	84	99
harness	29	200	45	200*	89	haunch	3	18	5	29	10
Harold	12	90	97	15	26	haunt (ed)	27	160	132	97	97
harp	20	130	52	114	68	haut	2	2	2	2	33
harper	2	12	12	18	7	hauteur	1	3	18	3	2
Harper	6	0	62	16	38	Havana	6	57	35	2	30
harpoon	1	7	4	5	2	have	AA	M	M	M	M
harpichord	1	15	1	4	3	haven	3	40	0	11	17
harpy (H)	1	14	3	4	4	Haven	8	50	81	0	24
Harriet	10	5	88	5	90	haven't	A	3	748	45	?
Harris	6	3	69	6	46	havoc	6	57	22	14	22
Harrisburg	1	3	6	4	16	Havre	2	6	6	6	18
Harrison	9	57	55	10	44	haw	1	6	11	10	5
harrow	5	57	27	6	13	Hawaii	4	12	24	6	36
harry	6	30	55	30*	8	Hawaiian	3	3	31	4	22
Harry	A	290	450	290*	166	hawk	22	160	25	176	41
harsh	17	110	76	58	75	Hawkins	4	3	6	13	54
harshly	5	20	50	12	9	hawser	1	8	2	10	5
harshness	2	18	6	7	14	hawthorn	5	50	12	26	7
hart	7	60	18*	16	43	Hawthorne	1	2	0	0	32
Hartford	6	18	7	10	90	hay	46	420	72	253*	86
Harvard	13	28	36	27	156	haycock	1	16	1	7	0
harvest	48	390	120	217*	141	Hayes	1	2	10	1	20
harvester	2	7	5	21	14	haystack	1	4	5	10	11
Harvey	1	6	24	1	24	hazard	11	57	70	24	57
has	AA	M	M	M	M	hazardous	3	16	17	7	28
hash	2	5	32	1	5	haze	5	28	45	19	14
hasn't	23	57	275	41	57*	hazel	6	57	20*	11	20

Hazel to helot

	G	T	L	J	S		G	T	L	J	S
Hazel	6	0	123	0	0	heathen	12	130	14	34	44
hazy	3	10	28	11	9	heather	5	18	11	51	19
he	AA	M	M	M	M	heave	18	160	58	72	46
head	AA	M	M	M	M	heaven	AA	700	441	676*	652
headache	10	57	95	17	24	heavenly	16	130	53	43	73
headdress	1	4	7	19	5	heavenward	1	16	3	7	3
headgear	1	4	5	8	6	heavily	30	115	184	129	119
heading (n.)	1	?	?	?	?	heaviness	4	57	8	3	5
headland	4	28	6	24	22	heavy	AA	M	680	?	966
headless	1	16	1	6	1	Hebe	1	6	4	8	7
headlight	2	12	25	3	13	Hebrew (s)	9	57	19	17	77
headline	6	6	59	1	56	Hebrides	1	7	0	2	12
headlong	12	90	37	57	33	Hebron	1	12	10	0	0
headman	1	1	1	22	4	hectic	2	11	33	0	7
headquarters	23	90	126	34	167	Hector	5	41	50	6	10
headstrong	2	14	8	10	10	hector	1	9	11	1	3
headwaters	1	4	0	3	17	he'd	A	57	629	49	?
headway	3	10	12	23	13	hedge	32	220	89	220*	47
heady	1	8	13	1	2	hedgehog	3	57	2	5	7
heal	27	220	68	124*	85	hedgerow	2	16	10	14	7
health	AA	700	591	576*	436	heed	21	160	66	98*	68
healthful	6	57	30	12	23	heedless	6	50	19	37	15
healthy	27	130	207	60	97	heel	A	400	250	400*	122
heap	46	300	152	300*	83	Heidelberg	1	7	12	6	10
hear	AA	M	M	M*	800	heifer	7	90	6	30	5
heard	AA	700	M	M*	M	height	AA	700	284	550*	407
hearer	6	57	11	20	21	heighten	5	50	20	10	18
hearing (n.)	13	?	66*	?	55*	heinous	1	18	2	0	3
hearken	8	90	2	42	13	heir	23	160	48	113	94
hearsay	1	6	6	6	4	heiress	3	11	15	11	19
hearse	1	8	8	6	8	heirloom	2	14	14	5	4
heart	AA	M	M	M	M	held	AA	700	M	?	M
heartache	2	2	33	2	5	Helen	36	130	400	75	48
heartbreak	1	1	23	1	3	Helena	5	4	75	5	16
heartbreaking	2	1	30	2	4	Helios	2	3	1	28	8
hearten	3	16	25	6	8	heliotrope	1	5	10	2	1
heartfelt	2	18	3	9	6	helium	1	5	10	0	19
hearth	17	160	43	64	39	hell	31	160	227	19	152
hearthstone	2	18	3	8	10	he'll	25	18	318	75	50*
heartily	16	57	67	95	73	Hellas	5	4	25	37	33*
heartiness	1	4	3	6	5	Hellenic	2	4	0	10	35
heartless	3	12	30	9	6	hellish	1	12	5	1	4
heartsick	1	4	9	4	1	hello	20	90	243	23	21
hearty	18	130	67	67	62	helm	13	90	12	58	91
heat	AA	700	579	700*	657	helmet	21	114	48	140	80
heater	3	28	23	1	7	helmsman	1	12	7	7	3
heath	6	70	5	36	13	helot (H)	1	7	0	0	15

help to hideous

	G	T	L	J	S		G	T	L	J	S
help	AA	M	M	M	M	heretical	1	6	2	0	12
helper	12	90	69	51	15	heretofore	8	57	23	25	41
helpful	14	90	117	15	45	hereupon	1	6	0	11	8
helpless	28	107	180	139	88	herewith	4	57	5	6	19
helplessly	6	23	61	20	9	heritage	8	57	47	19	25
helplessness	3	12	31	15	11	Herman	4	3	65	4	10
helter-skelter	1	11	4	9	2	Hermes	2	10	5	22	8
hem	14	130	71	30	22	hermit	16	90	17	108	85
hemisphere	9	57	16	31	75	hermitage	2	12	3	10	17
hemlock	7	50	3	62	15	hero	A	270	149	270*	478
hemp	5	28	14	20	30	Herod	2	28	5	2	4
hempen	1	8	2	5	4	Herodotus	3	1	1	6	56
hen	49	380	75	380*	50	heroic (s)	17	115	49	62	90
hence	A	320	118	264*	353	heroical	1	11	3	2	7
henceforth	21	200	16	125	51	heroine	7	57	49	10	25
henceforward	1	14	2	3	9	heroism	5	28	10	25	27
henchman	1	16	9	0	7	heron	6	16	6	92	5
Henderson	9	3	145	7	16	Herr	5	11	20	47	24
Henley	2	3	9	0	30	Herrick	2	5	29	2	14
Henri	1	3	5	1	18	herring	9	50	66	28	18
Henrietta	3	6	43	2	6	hers	24	90	240	90*	17
Henry	AA	350	743	350*	692	herself	AA	M	M	M*	M
her	AA	M	M	M	M	he's	AA	?	M	?	?
Hera	1	1	0	20	6	Hesiod	1	2	0	9	10
Heracles	1	2	0	29	4	hesitancy	1	4	12	0	4
Heraclitus	1	12	0	0	18	hesitate	37	86	328	150	102
herald (H)	A	90	105	124	688	hesitatingly	1	4	16	10	2
heraldic	1	6	2	4	6	hesitation	10	28	53	66	46
heraldry	1	16	3	1	9	Hesperides	2	10	2	20	17
herb	14	130	54	44	33	Hessian	2	5	5	12	17
herbage	2	16	0	16	10	Hetty	1	1	18	8	2
Herbert	29	57	95	16	356	hew	10	130	7	32	17
herculean	1	14	0	1	8	hewn	2	7	14	22	3
Hercules	12	57	4	101	65	hexagon	1	16	4	1	0
herd	37	245	105	170	159	hexameter	1	10	0	2	7
herder (H)	1	4	2	18	5	hey	11	16	141	27	16
herdsman	4	50	0	14	25	heyday	1	10	11	7	6
here	AA	M	M	M	M	Heywood	2	0	1	27	22
hereabout (s)	3	12	10	21	15	Hiawatha	3	57	1	6	6
hereafter	12	115	19	31	53	hibernate	2	12	5	17	3
hereby	5	57	13	15	18	hibernation	1	3	9	5	2
hereditary	7	50	20	13	55	hick	1	3	9	1	5
heredity	3	18	27	2	19	hickory	5	18	19	46	14
herein	5	57	5	14	17	hid	43	300	75	300*	100*
here's	20	18	173	92	?	hidden	43	130	181	365*	100
heresy	5	50	11	12	33	hide	A	700	379	447*	262
heretic	7	50	9	59	20	hideous	11	51	73	44	40

hideously to hollyhock

	G	T	L	J	S		G	T	L	J	S
hideously	1	6	14	3	2	historian	13	57	22	41	118
hie	2	18	4	8	12	historic	15	90	47	35	111
hierarchy	1	10	1	1	10	historical	18	53	52	27	209
hieroglyphic	1	14	3	4	14	historically	1	4	4	2	15
high	AA	M	M	M	M	history	AA	500	514	500*	M
highland	14	115	34	17	95	histrionic	1	4	6	0	0
Highlander	1	15	2	2	12	hit	A	270	420	270*	202
highly	A	?	253	?	297	hitch	9	50	57	27	38
high-minded	1	3	7	6	5	hither	27	210	12	159*	108
highness (H)	11	57	60	76	14	hitherto	19	90	53	70	143
high-pitched	1	0	13	13	2	hitherward (s)	1	3	0	17	10
high-powered	1	2	17	0	0	Hitler	7	0	113	0	24
highroad	2	8	11	13	18	hive	14	128	54	67	15
high school	2	6	42	1	0	h'm	2	2	28	6	2
high-spirited	1	7	6	3	7	ho	16	130	17	114	34
hight	5	7	0	35	58	hoar	3	57	2	4	2
highway	34	130	156	132	209	hoard	11	57	22	85	35
highwayman	1	8	1	9	11	hoarfrost	1	8	0	8	8
hike	10	7	57	2	123	hoarse	7	37	38	46	22
hilarious	2	2	25	5	6	hoarsely	4	20	36	12	9
hilarity	1	7	17	1	6	hoary	4	57	4	13	10
hill	AA	M	335	M*	784	Hobber	1	5	0	0	24
hillock	3	18	3	31	4	hobble	4	14	27	19	12
hillside	20	130	65	127	51	hobby	8	57	60	6	21
hilltop	5	16	19	55	13	hobgoblin	1	14	3	6	3
hilly	2	16	9	15	10	hobo	1	2	10	0	9
hilt	4	18	5	41	20	hock	1	11	4	4	0
him	AA	M	M	M	M	hockey	3	11	19	5	22
Himalaya	4	3	4	4	63	hod	1	16	5	8	4
Himalayas	1	1	2	4	18	hoe	9	115	18	14	22
himself	AA	M	M	M	M	Hoffmann	1	2	0	9	11
hind	26	200	30	200*	38	hog	14	160	41	22	43
Hindenburg	2	1	19	0	32	hogshead	1	11	0	17	6
hinder	13	130	22	45	42	hoist	10	57	32	54	48
hindmost	1	14	0	2	2	hokum	1	1	19	0	1
hindrance	3	28	7	11	20	hold	AA	M	836	M*	M
Hindu (oo)	4	12	24	4	47	holder	12	115	60	13	35
hinge (d)	10	90	40	36	19	holding (n.)	3	5	37	0	18
hint	29	115	174	94	143	holdup	2	1	27	0	15
hip	18	130	126	22	51	hole	AA	700	319	700*	281
hippopotamus	1	14	2	10	8	holiday	47	300	172	300*	82
Hiram	6	28	29	1	62	holiness (H)	4	57	3	3	15
hire	A	300	248	230*	142	Holland (h)	26	117	56	103	204
hireling	1	18	5	1	4	Hollander	2	6	1	18	17
his	AA	M	M	M	M	hollow	A	380	130	380*	233
hiss	16	130	57	73	39	holly	4	57	10	7	11
hist	1	11	0	4	5	hollyhock	1	8	10	5	2

Hollywood to hospitality

	G	T	L	J	S		G	T	L	J	S
Hollywood	13	0	203	0	42	hooker (H)	2	3	24	12	6
holm (H)	1	4	10	5	8	hoop	8	90	14	30	15
Holmes	5	11	32	17	32	Hoosier	1	1	13	0	5
Holstein	1	28	2	1	2	hoot	5	57	3	32	14
holster	2	12	30	4	2	Hoover	35	2	162	0	476
Holt	2	3	32	2	6	hop	35	235	109	235*	64
holy	A	340	98	227*	243	hope	AA	M	M	M*	M
holystone	1	0	28	0	1	hopeful	9	38	52	32	54
homage	10	57	16	66	45	hopefully	4	19	45	15	7
home	AA	M	M	M	M	hopeless	17	83	120	56	58
homeless	4	14	23	25	19	hopelessly	7	32	58	21	16
homelike	2	6	20	8	2	Hopkins	2	7	13	11	8
homely	10	90	40	34	26	hopper	2	12	15	9	6
homemade	5	6	58	8	25	Horace	8	57	27	16	60
homemaker	6	2	112	0	0	Horatio	2	5	5	2	24
Homer	15	57	19	93	110	Horatius	1	7	0	0	14
Homeric	1	6	0	1	21	horde	6	28	42	23	22
homesick	3	7	33	25	4	horizon	20	115	76	75	102
homesickness	1	5	13	9	3	horizontal	9	42	38	35	61
homespun	3	18	23	17	6	horizontally	3	15	8	16	20
homestead (H)	6	57	23	10	32	horn (H)	A	410	217	410*	152
homeward (s)	12	90	35	64	34	hornblende	2	3	0	26	7
homicide	2	11	18	0	10	horned	2	5	8	8	27
homily	1	11	1	2	4	hornet	3	14	9	26	8
homogeneous	1	11	4	1	17	horny	1	5	7	11	3
Hon.	1	6	17	1	2	horoscope	2	5	37	1	4
Honduras	1	5	1	0	28	horrible	27	130	202	86	72
honest	A	336	393	336*	316	horribly	6	30	42	30	9
honestly	21	94	162	94*	34	horrid	13	90	35	96	25
honesty	13	57	121	17	53	horrify	6	14	73	11	20
honey (ed)	A	310	274	310*	67	horror	33	130	237	96	136
honeybee	1	6	0	14	8	horse	AA	M	851	M	M
honeycomb	4	57	10	13	9	horseback	18	130	34	70	106
honeymoon	7	14	110	7	12	horsehair	2	12	15	11	1
honeysuckle	5	50	32	7	13	horseman	15	160	21	57	46
Hong Kong	2	6	20	6	8	horsemanship	1	16	4	5	8
honk	2	1	13	27	1	horsepower	4	14	16	4	51
Honolulu	2	5	36	1	8	horseradish	1	6	11	1	3
honor (our)	AA	700	384	700*	703	horseshoe	4	28	18	12	24
honorable (H)	30	191	58	191*	108	horticultural	1	10	9	1	0
honorably	4	29	6	29*	18	hosanna	1	12	0	1	5
honorary	2	12	6	1	20	hose	9	115	0	29	26
hood (H)	21	160	51	111	63	hosiery	2	28	9	2	5
hooded	1	10	5	4	5	hospitable	7	49	31	15	31
hoof	26	206	35	206*	21	hospitably	1	8	2	8	2
hoofed (adj.)	1	14	0	14	4	hospital	A	220	825	220*	317
hook (ed)	47	270	198	270*	116	hospitality	13	57	88	45	53

host to hunchback

	G	T	L	J	S		G	T	L	J	S
host	45	250	132	250*	180	hue	12	90	32	51	55
hostage	3	18	9	21	11	hug	15	90	94	70	21
hostelry	1	10	5	0	6	huge	A	305	311	305*	262
hostess	13	50	157	15	17	hugely	1	5	4	5	5
hostile	20	90	54	87	129	Hugh	16	57	97	69	70
hostility	12	50	33	23	118	Hughes	6	2	16	0	98
hostler	1	2	2	23	0	Hugo	5	16	45	3	22
hot	AA	M	M	M*	792	Huguenot	2	18	2	9	14
hotel	A	210	832	210*	252	huh	3	3	57	5	3
hothouse	1	8	8	4	5	hulk	2	21	6	4	6
hotly	7	?	53	?	10	hulking	1	7	6	4	1
Hottentot	1	5	1	1	14	hull	8	50	50	31	20
Houghton	?	5	5	3	34	hullo	1	1	13	10	5
hound	23	115	72	148	81	hum	20	160	83	82	38
hour	AA	M	M	M	M	human	AA	340	963	340*	M
hourly	2	18	15	3	7	humane	5	47	14	12	21
house	AA	M	M	M	M	humanely	1	10	8	1	4
household	A	240	285	240*	158	humanitarian	2	3	13	0	21
householder	2	6	17	6	13	humanity	21	90	105	44	145
housekeeper	15	57	95	73	47	humanize	1	8	4	1	6
housekeeping	6	12	59	25	13	humankind	1	11	2	1	7
housemaid	1	6	12	9	5	humanly	1	?	9	?	5
housetop	4	57	9	14	9	humble	36	190	121	202*	144
housewife	17	57	122	65	62	humbleness	1	14	3	1	3
housework	5	16	80	6	0	humblly	7	50	32	38*	22
housing	2	10	25	2	4	Humboldt	2	2	3	3	32
Houston	12	90	91	16	32	humbug	1	10	3	6	8
hove	1	2	7	11	11	humdrum	1	11	9	1	10
hovel	2	10	9	7	11	Hume	1	2	7	2	23
hover	15	90	80	60	44	humid	1	11	6	3	8
how	AA	M	M	M	M	humidity	3	28	17	4	14
Howard	19	57	224	28	46	humiliate	6	28	54	11	24
howbeit	1	14	0	4	9	humiliation	5	18	55	16	17
Howe	11	18	41	82	70	humility	8	90	21	17	29
howe'er	3	57	0	0	0	hummingbird	1	3	8	15	4
however	AA	700	M	700*	M	hummock	1	6	3	4	5
howl	34	235	72	235*	74	humor	41	200	194	200*	159
howler	1	1	0	0	19	humorist	1	10	9	0	16
howsoever	1	14	0	3	4	humorous	8	51	48	14	46
hr.	3	57	0	0	0	humorously	1	8	9	3	7
hub	1	12	6	4	9	hump	5	14	14	60	15
Hubbard	4	2	36	23	15	humph	2	4	29	12	7
hubbub	2	7	3	23	4	Humphrey	4	3	54	19	6
Hubert	11	16	164	21	8	humus	2	11	5	18	6
huckleberry	2	6	8	11	14	Hun	1	11	1	1	12
huddle	11	57	96	38	22	hunch	5	28	66	3	5
Hudson	30	160	58	60	272	hunchback	2	2	0	38	2

hundred to identical

	G	T	L	J	S		G	T	L	J	S
hundred	AA	M	M	M*	M	hydrogen	16	57	15	22	194
hundredth	4	50	9	8	12	hydrophobia	1	10	2	3	3
hung	A	320	429	320*	200*	hyena	2	8	6	15	7
Hungarian	7	50	27	3	58	hygiene	6	50	45	2	27
Hungary	4	28	9	2	46	hygienic	1	10	7	2	9
hunger	37	240	93	240*	103	Hymen (h)	3	18	0	37	3
hungrily	2*	?	17	?	?	hymn	18	130	49	42	119
hungry	A	350	274	320*	153	Hyperion	1	3	0	11	8
hunk	$\frac{1}{2}$	4	9	0	1	hypnotic	1	6	10	0	6
hunt	A	680	353	430*	267	hypnotize	2	16	17	2	5
Hunt	?	?	?	?	18	hypocrisy	5	57	18	1	23
hunter (H)	46	245	225	245*	115	hypocrite	4	57	12	1	13
hunting (n.)	3	20*	20*	20*	10*	hypocritical	2	10	8	3	17
Huntingdon	1	7	1	1	20	hypothesis	4	15	6	1	59
Huntington	1	5	9	2	8	hypothetical	2	4	8	0	25
huntress	2	8	3	22	3	hyssop	1	16	1	1	1
huntsman	6	50	10	50	8	hysteria	3	5	46	1	14
hurdle	2	10	6	7	16	hysterical	1	5	8	2	3
hurl	20	130	82	98	67	hysterical	5	15	60	3	19
Huron	6	7	2	7	107	hysterically	2	1	39	1	0
hurrah	10	90	10	68	27	hysterics	2	16	24	0	3
hurricane	7	50	49	10	27						
hurried (adj.)	16	87	98	87*	31	I	AA	M	M	M	M
hurriedly	9	10	100	36	28	ibid.	A	3	0	0	M
hurry	AA	613	684	713*	221	ice	AA	685	428	685*	340
hurt	AA	700	725	700*	271	iceberg	4	28	13	20	26
hurtful	1	14	2	2	3	iceboat	1	0	0	11	7
hurtle	1	5	13	8	9	icebox	1	0	28	0	4
husband	AA	700	M	700*	522	ice cream	2	0	34	6	2
husbandman	2	28	0	4	7	iced (adj.)	2	15	0	15	18
husbandry	4	57	2	3	18	Iceland	4	18	4	41	21*
hush	26	220	90	120*	51	icicle	2	16	12	16	7
husk (ing)	7	57	27	30	21	icily	1	13	15	0	4
husky	7	13	80	16	18	icing	1	4	28	0	3
hussar	1	8	3	1	8	icy	14	112	76	46	28
hussy	1	4	12	2	2	I'd	AA	115	M	139	?
hustle	7	57	38	19	12	Ida	4	14	24	23	20*
hut	32	235	42	235*	70	Idaho	3	18	21	11	17*
Hutchinson	1	2	4	2	18	idea	AA	410	M	470*	M
Huxley	1	2	7	3	10	ideal	48	130	396	38	307
huzza	1	8	1	3	13	idealism	4	14	26	0	38
hyacinth	3	28	16	9	18	idealist	1	6	9	0	15
hybrid	5	50	35	1	4	idealistic	1	4	11	0	6
Hyde	4	5	32	27	8	idealize	1	8	11	0	5
hydra (H)	1	14	0	8	6	ideally	1	6	10	2	6
hydraulic	2	13	0	6	21	identical	10	57	46	11	80
hydrochloric	1	12	0	8	12						

identification to immovable

	G	T	L	J	S		G	T	L	J	S
identification	3	14	23	4	19	illusive	1	8	7	0	4
identify	20	50	86	137	104	illustrate	42	90	391	74	210
identity	6	14	40	7	53	illustration	20	57	106	54	156
idiom	1	7	5	2	7	illustrative	1	12	4	1	11
idiosyncrasy	1	8	6	2	8	illustrator	5	2	83	2	8
idiot	9	90	59	7	15	illustrious	10	90	17	37	42
idiotic	1	5	17	5	2	Illyria	1	10	5	0	5*
idle	42	250	100	250*	156	I'm	AA	290	M	?	?
idleness	9	90	35	22	31	image	31	200	97	144*	134
idler	2	18	12	8	10	imagery	1	16	4	0	6
idly	9	50	43	50	19	imaginable	3	16	13	12	18
idol	10	115	39	7	28	imaginary	11	57	65	42	46
idolatry	3	50	4	0	11	imagination	36	160	218	76	200
idolize	1	8	15	0	3	imaginative	4	28	19	8	32
idyl (II)	2	11	12	2	19	imagine	A	330	535	330*	260
i.e.	1	4	2	9	11	imbecile	2	12	11	8	10
if	AA	M	M	M	M	imbecility	1	10	2	1	7
igneous	1	3	1	19	11	imbed	1	10	3	4	2
ignite	2	16	7	12	13	imbibe	1	18	4	4	4
ignition	1	12	6	2	13	imbue	1	11	6	3	11
ignoble	4	57	8	1	21	imitate	15	115	36	53	80
ignominious	1	9	9	3	10	imitation	12	50	68	37	74
ignominiously	1	5	7	4	2	imitative	1	16	8	4	7
ignominy	1	12	8	2	2	imitator	1	10	9	2	10
ignorance	22	130	103	60	104	immaculate	4	28	36	6	4
ignorant	24	152	88	106	101	immaterial	2	14	4	1	20
ignorantly	1	8	6	0	4	immature	2	16	17	2	8
ignore	17	16	193	13	97	immeasurable	2	15	9	4	18
Iliad	1	18	0	9	3	immeasurably	2	13	9	7	12
ill	AA	700	341	511*	491	immediate	A	220	217	220*	274
I'll	AA	290	M	290*	?	immediately	A	110	560	110	574
illegal	5	28	34	5	30	immemorial	5	28	11	7	44
illegitimate	2	8	18	2	15	immense	29	130	87	129	180
ill-fated	1	2	7	7	3	immensely	7	30	53	23	26
illicit	3	10	25	1	19	immensity	1	14	6	0	10
illimitable	1	11	3	4	7	immerse	3	18	9	9	20
Illinois	24	90	135	104	110*	immersion	1	10	3	2	5
illiteracy	1	7	0	2	12	immigrant	12	57	34	30	104
illiterate	4	18	26	2	36	immigration	8	16	38	12	79
illness	22	90	183	50	75	imminent	6	50	15	11	33
illogical	1	7	13	2	2	immobility	1	4	9	0	10
ill-treat	1	5	4	11	6	immoderate	1	10	2	9	3
illumine	1	11	2	2	4	immoral	2	4	19	1	16
illuminate	13	57	58	39	84	immortal	25	220	26	115*	100
illumination	5	28	25	15	30	immortality	6	57	11	7	50
illumine	2	28	7	5	9	immortalize	1	14	3	3	12
illusion	10	57	74	11	45	immovable	4	28	15	18	24

immune to improbable

	G	T	L	J	S		G	T	L	J	S
immune	1	8	16	0	7	impervious	2	28	4	2	4
immunity	3	18	20	7	21	impetuosity	1	10	2	3	7
immutable	1	14	6	1	8	impetuous	5	40	17	17	21
imp	3	16	12	16	12	impetuously	1	10	6	2	8
impact	4	12	41	8	13	impetus	3	16	11	10	31
impair	7	57	26	4	52	impiety	1	13	1	4	3
impale	1	11	4	7	3	impious	3	57	3	2	8
impart	11	115	21	27	43	implacable	2	18	20	2	9
impartial	6	46	21	11	32	implant	1	7	10	0	5
impartially	1	11	0	4	8	implement	13	90	35	58	53
impartiality	1	10	4	7	10	implicate	1	10	9	2	10
impassable	1	8	7	13	6	implication	4	11	49	1	23
impassioned	2	28	13	2	8	implicit	1	4	4	1	9
impassive	2	10	24	4	7	implicitly	1	7	12	5	7
impatience	9	50	65	39	22	implore	10	90	39	45	17
impatient	13	54	79	48	56	imply	17	48	80	19	172
impatiently	9	36	82	43	12	import	31	160	86	38	279
impeach	3	50	3	6	10	importance	A	235	322	235*	624
impeachment	2	16	2	7	17	important	AA	700	M	700*	M
impeccable	1	2	14	0	8	importantly	2	?	11	?	9
impede	3	28	6	10	26	importation	4	18	5	7	43
impediment	4	57	6	2	15	importer	1	14	0	0	16
impel	7	57	28	26	17	importunate	1	11	5	3	5
impend	1	25*	0	1	7	importune	1	11	0	1	7
impending	4	29*	22	7	25	importunity	1	14	0	1	3
impenetrable	2	14	13	5	14	impose	23	104	98	46	180
impenitent	1	8	0	2	0	imposing (adj.)	6	26	25	13	44
imperative	7	57	34	9	40	imposition	2	18	12	4	16
imperceptible	2	10	6	8	12	impossibility	3	16	25	11	12
imperceptibly	1	8	8	0	12	impossible	A	300	459	300*	549
imperfect	7	67	10	14	44	impostor (er)	3	28	10	10	8
imperfection	2	16	8	10	9	impotence	1	14	3	2	5
imperfectly	2	23	2	5	16	impotent	3	28	10	5	13
imperial	21	130	36	20	207	impoverish	3	18	18	8	26
imperialism	2	12	6	1	32	impracticable	4	28	10	10	24
imperialist	1	8	9	0	17	impractical	1	1	12	3	6
imperial	3	12	5	23	20	imprecation	1	10	2	4	5
imperious	5	39	21	16	20	impregnable	2	14	13	2	9
imperiously	1	11	8	4	3	impregnate	2	12	10	5	9
imperishable	1	7	3	4	4	impress	28	90	177	91	161
impersonal	4	12	60	5	8	impression	45	130	282	120	290
impersonally	1	4	12	1	1	impressive	13	44	89	20	89
impersonate	1	10	8	2	9	impressively	1	6	16	6	6
impersonation	1	4	12	1	5	imprint	3	14	16	17	19
impertinence	2	12	11	3	10	imprison	12	90	43	51	43
impertinent	3	18	18	11	7	imprisonment	10	57	20	35	83
imperturbable	1	7	16	4	4	improbable	4	14	14	4	42

impromptu to inconspicuous

	G	T	L	J	S		G	T	L	J	S
impromptu	2	12	23	3	9	incantation	1	12	3	0	5
improper	4	33	15	3	31	incapable	9	50	30	27	62
improperly	2	17	11	1	8	incapacitate	1	8	5	1	10
impropriety	1	10	3	4	4	incapacity	1	14	3	0	12
improve	A	270	269	270*	329	incarnate	1	16	7	2	6
improvement	40	115	163	146	300	incarnation	1	10	4	3	17
improvident	1	8	8	2	4	incendiary	1	8	3	2	12
improvise	4	12	39	14	20	incense	12	130	14	23	60
imprudence	1	10	4	3	5	incentive	5	28	29	1	32
imprudent	1	8	3	13	11	inception	1	4	8	1	13
impudence	2	14	11	7	9	incessant	5	32	20	19	32
impudent	3	28	0	18	9	incessantly	4	25	20	16	19
impulse	26	57	185	74	153	inch	AA	700	719	700*	466
impulsive	3	7	44	7	10	incidence	1	10	4	0	7
impulsively	2	4	32	5	10	incident	29	90	154	73	218
impunity	4	57	2	13	7	incidental	4	12	24	15	31
impure	1	16	4	7	5	incidentally	8	16	80	13	42
impurity	4	28	7	23	25	incipient	1	8	10	0	4
imputation	1	11	1	1	10	incision	1	11	9	10	4
impute	4	57	0	8	20	incisor	1	11	1	3	11
in	AA	M	M	M	M	incite	2	18	3	7	20
in.	3	57	0	2	0	inclement	1	8	7	3	5
inability	5	14	27	7	51	inclination	11	57	30	31	92
inaccessible	3	18	19	13	20	incline	42	220	134	190*	216
inaccurate	1	8	10	0	2	inclose	10	115	29	33	15
inaction	1	10	9	2	6	inclosure	2	3	11	15	15
inactive	3	28	9	7	19	include	AA	380	533	380*	M
inactivity	1	8	9	4	6	inclusion	1	4	12	1	6
inadequacy	1	4	12	0	10	inclusive	2	12	11	0	29
inadequate	8	28	59	7	63	incoherent	1	7	15	2	8
inadvertently	1	9	8	2	16	income	46	90	400	25	327
inalienable	1	8	6	1	4	incoming	1	4	13	7	7
inane	1	4	19	0	2	incomparable	3	18	10	11	31
inanimate	2	28	11	7	7	incompatible	2	10	4	4	18
inappropriate	1	5	8	5	2	incompetence	1	5	4	0	14
inarticulate	2	11	23	1	10	incompetent	3	11	23	7	27
inasmuch	8	50	25	9	64	incomplete	4	18	10	10	36
inattention	1	8	4	1	6	incomprehensible	3	14	12	11	21
inaudible	1	12	10	2	4	inconceivable	3	6	13	8	30
inaugural	1	5	7	9	14	inconceivably	1	2	2	1	16
inaugurate	5	28	12	10	57	incongruity	1	10	5	0	3
inauguration	4	16	18	16	32	incongruous	2	11	13	4	9
inborn	1	8	6	6	5	inconsiderable	1	10	4	3	18
inc.	6	7	106	0	4	inconsiderate	1	10	9	3	3
incalculable	2	12	8	4	16	inconsistency	2	14	6	4	13
incalculably	1	6	1	1	10	inconsistent	3	28	8	4	27
incandescent	2	10	4	5	18	inconspicuous	2	11	33	5	0

inconstant to indorsement

	G	T	L	J	S		G	T	L	J	S
inconstant	1	16	3	0	7	Indiana	16	90	107	31	76*
incontestable	1	4	4	2	8	Indianapolis	3	12	30	4	15*
inconvenience	8	57	27	24	42	indicate	A	250	302	250*	487
inconvenient	4	28	13	17	15	indication	13	28	61	27	134
incorporate	11	50	44	10	107	indicative	4	50	17	1	18
incorporation	1	8	2	1	18	indicator	2	14	17	3	7
incorrect	3	28	20	1	21	indict	2	12	17	0	16
incorrigible	1	11	10	8	1	indictment	6	28	25	5	53
increase	AA	700	781	700*	M	Indies	11	90	18	27	63
increasingly	6	5	78	3	32	indifference	13	57	69	44	78
incredible	14	46	128	31	53	indifferent	15	44	92	57	78
incredibly	3	11	39	5	12	indifferently	4	13	29	25	15
incredulity	2	14	15	2	11	indigenous	2	11	5	5	21
incredulous	4	20	42	15	5	indigent	1	11	4	0	8
incredulously	2	8	35	5	2	indigestible	2	28	8	1	4
increment	1	7	4	0	11	indigestion	3	28	19	7	6
incubator	1	16	6	4	9	indignant	9	40	41	54	40
inculcate	1	11	6	2	10	indignantly	5	17	47	26	13
incumbent	2	11	7	6	22	indignation	17	115	60	60	82
incur	8	90	12	14	30	indignity	3	18	10	17	13
incurable	4	50	19	2	14	indigo	5	57	5	2	34
incursion	1	10	2	4	16	indirect	7	31	23	4	71
Ind.	3	50	9	0	0	indirectly	6	26	20	5	59
indebted	5	57	10	11	23	indiscreet	2	16	13	3	4
indebtedness	1	8	6	2	19	indiscretion	2	12	16	5	15
indecent	2	12	23	0	12	indiscriminate	1	7	4	0	7
indecision	1	5	11	4	2	indiscriminately	1	11	4	1	12
indecisive	1	8	3	3	5	indispensable	10	50	50	45	50
indeed	AA	700	545	700*	981	indispose (d)	1	16	2	4	1
indefatigable	2	10	7	8	21	indisposition	1	10	3	3	4
indefinite	5	30	32	8	34	indisputable	1	8	4	1	18
indefinitely	6	20	27	12	65	indissoluble	1	10	1	3	7
indelible	2	11	18	8	9	indistinct	2	16	6	9	13
indemnity	3	16	5	1	47	indistinguishable	1	7	10	2	3
indent	3	50	5	1	12	individual	A	200	571	200*	620
indentation	1	14	1	4	5	individualism	1	6	13	1	5
indenture	1	11	4	3	7	individuality	5	28	28	10	35
independence	36	130	188	83	255	individually	3	10	28	10*	16
independency	1	2	0	0	18	indivisible	1	12	3	7	11
independent	A	204	134	204*	585	Indo-European	1	2	0	14	10
independently	5	16	15	16*	43	indolence	1	14	5	2	13
indescribable	4	28	21	17	17	indolent	3	28	10	7	17
indestructible	1	7	3	3	10	indomitable	4	18	18	14	22
indeterminate	1	18	6	1	2	indoor	3	3	28	6	25
index	14	57	58	10	130	indoors	10	57	68	34	28
India	46	200	113	200*	330	indorse	2	18	17	1	9
Indian	AA	700	454	700*	886	indorsement	1	5	16	0	1

induce to infuse

	G	T	L	J	S		G	T	L	J	S
induce	21	115	73	41	162	infectious	2	28	1	4	11
inducement	3	28	4	11	24	infer	7	50	16	11	63
induction	2	12	1	0	25	inference	7	28	19	3	88
inductive	1	5	0	3	11	inferior	19	130	40	35	140
indulge	15	57	96	32	87	inferiority	2	11	23	3	16
indulgence	7	57	31	17	38	infernal	5	57	21	5	16
indulgent	2	12	14	6	5	inferno	1	6	13	4	5
indulgently	1	5	13	0	2	infertile		2	0	1	4
industrial	43	28	173	42	547	infest	5	50	14	14	17
industrialist	2	1	23	0	12	infidel	3	28	9	5	17
industrious	11	112	15	57	30	infidelity	1	10	11	0	7
industriously	2	18	4	9	6	infinite	16	90	71	38	100
industry	AA	245	433	245*	M	infinitely	9	40	65	22	45
ineffable	1	12	10	1	7	infinitesimal	2	16	13	1	13
ineffective	2	14	6	1	18	infinitive	1	16	6	1	3
ineffectual	2	16	8	3	22	infinity	2	11	5	2	18
inefficiency	2	14	19	2	18	infirm	2	16	3	9	8
inefficient	2	10	26	2	11	infirmity	1	6	9	5	5
inept	1	3	11	1	3	infirmity	4	57	8	5	17
inequality	2	16	0	5	28	inflame	7	90	19	10	22
inert	5	50	18	9	18	inflammable	3	12	10	16	19
inertia	2	10	12	2	16	inflammation	2	18	8	10	6
inestimable	3	18	8	13	16	inflammatory	1	10	4	1	3
inevitable	19	60	145	26	121	inflate	4	18	16	4	35
inevitably	9	30	72	6	68	inflation	4	6	19	0	53
inexorable	1	10	10	3	1	inflection	2	28	12	4	7
inexhaustible	2	11	15	9	14	inflexible	2	12	13	3	15
inexorable	3	33	13	2	7	inflict	11	90	24	33	58
inexorably	1	17	11	0	4	infliction	1	14	5	0	6
inexpensive	5	7	64	3	17	influence	A	250	377	250*	864
inexperience	1	5	16	7	5	influential	6	14	25	9	68
inexperienced	5	28	37	18	13	influenza	5	50	14	0	34
inexplicable	3	14	31	3	18	influx	2	11	6	4	15
inexpressible	1	12	6	3	10	infold	1	18	1	1	0
inextricably	1	6	8	0	6	inform	A	260	219	260*	289
infallibility	1	10	8	0	4	informal	7	39	64	8	15
infallible	3	28	22	8	9	informally	1	11	16	0	8
infamous	4	57	4	12	16	informant	3	4	2	4	48
infamy	2	28	2	3	11	information	A	230	384	230*	368
infancy	7	57	19	17	36	informer	1	10	9	7	2
infant	22	160	83	61	97	infraction	1	8	8	2	11
infantile	1	5	22	1	7	infrequent	1	3	8	4	6
infantry	10	18	20	38	112	infrequently	2	5	15	4	26
infatuate	2	10	24	2	10	infringe	1	18	3	7	7
infatuation	2	5	26	1	4	infringement	1	11	2	0	7
infect	7	57	34	16	30	infuriate	3	12	20	9	18
infection	8	50	54	6	36	infuse	2	18	3	9	7

infusion to insipid

	G	T	L	J	S		G	T	L	J	S
infusion	1	14	6	1	2	innermost	2	18	8	9	6
ingenious	11	50	51	44	58	inning (s)	1	11	9	1	12
ingeniously	1	7	7	4	9	innkeeper	2	28	3	9	4
ingenuity	10	57	51	31	44	innocence	14	115	59	32	50
ingenuous	1	11	2	0	8	innocent	41	210	210	210*	117
inglorious	2	16	2	2	16	innocently	5	20	42	20	10
ingot	1	8	2	6	4	innocuous	1	10	3	2	6
ingratiating	1	4	10	1	9	innovation	4	18	23	3	38
ingratitude	4	50	10	13	13	innuendo	1	8	10	0	4
ingredient	11	57	94	18	32	innumerable	13	57	67	30	83
inhabit	16	130	13	77	75	inoculate	1	12	8	1	4
inhabitant	30	90	81	139	242	inoculation	1	6	10	1	9
inhale	3	18	23	6	15	inoffensive	1	12	1	12	10
inherent	4	18	34	5	30	inordinately	1	10	14	0	6
inherit	19	130	90	40	83	inorganic	1	14	2	3	13
inheritance	11	90	27	31	62	inquest	2	8	5	1	27
inheritor	1	14	2	1	2	inquire	A	230	288	230*	207
inhibit	1	11	11	0	6	inquirer	1	11	0	1	11
inhibition	1	10	4	0	9	inquiringly	1	5*	17	6	4
inhospitable	2	14	3	9	10	inquiry	22	90	95	57	170
inhuman	2	14	15	6	18	inquisition	3	28	13	16	11
inhumanity	1	8	6	0	6	inquisitive	5	39	18	27	13
inimical	1	3	6	2	10	inquisitively	1	11	4	13	0
inimitable	1	12	10	2	8	inquisitor	1	11	8	7	2
iniquity	4	57	5	1	14	inroad	2	16	6	9	11
initial	13	57	78	19	80	insane	10	50	81	13	36
initiate	4	16	25	8	38	insanity	5	16	38	5	32
initiation	2	11	7	6	12	insatiable	2	10	13	7	12
initiative	10	50	49	23	58	inscribe	6	50	23	19	30
inject	4	50	16	3	20	inscription	12	57	18	38	119
injection	1	12	12	1	7	inscrutable	2	18	19	4	8
injunctive	7	50	17	9	54	insect	40	210	91	210*	216
injure	36	230	122	165*	144	insecure	1	8	7	2	7
injurious	6	57	11	17	33	insensibility	1	11	1	1	8
injury	24	130	97	63	154	insensible	5	57	4	15	21
injustice	12	57	46	35	92	inseparable	5	57	18	5	22
ink	20	240	55	0	70	insert	14	90	83	34	58
inkling	1	1	11	3	5	insertion	3	28	9	2	15
inky	1	10	10	7	4	inset	1	3	2	3	13
inlaid	3	28	14	15	11	inside	A	430	656	430*	224
inland	14	90	31	36	99	insidious	3	16	21	3	20
inlet	5	28	18	22	29	insight	5	18	22	6	47
inmate	5	18	31	36	18	insignia	1	12	9	1	10
inmost	2	28	5	3	2	insignificant	8	57	30	16	44
inn	27	160	93	131	106	insinuate	4	28	22	7	17
innate	2	10	19	7	7	insinuation	1	11	10	1	7
inner	29	115	143	109	156	insipid	1	16	4	2	5

insist to interdependence

	G	T	L	J	S		G	T	L	J	S
insist	A	160	551	114	297	insulate	3	16	20	3	28
insistence	4	16	36	3	22	insulation	1	11	12	0	2
insistent	4	11	41	6	14	insulator	1	12	3	3	6
insistently	1	3	13	0	2	insult	21	130	101	70	90
insolence	3	28	12	8	15	insuperable	1	10	5	4	13
insolent	6	50	25	23	11	insupportable	1	10	0	3	7
insoluble	2	28	6	4	14	insurance	32	90	335	5	151
insolvency	1	6	4	0	8	insure	15	57	112	21	91
insomnia	1	12	5	1	0	insurgent	3	14	5	3	34
insomuch	2	28	0	3	12	insurmountable	1	8	6	6	8
inspect	11	57	70	40	31	insurrection	6	57	14	15	38
inspection	12	57	80	34	58	intact	4	16	25	11	30
inspector	14	57	110	30	59	intake	1	12	11	0	11
inspiration	18	90	108	43	84	intangible	2	10	24	4	10
inspire	32	115	154	78	238	integer	1	5	0	0	20
inspirit	1	11	1	1	5	integral	3	11	14	2	29
instability	1	10	3	1	14	integrity	8	57	41	4	48
install	16	90	97	26	86	intellect	8	50	30	25	56
installation	5	12	31	3	48	intellectual	19	53	74	26	200
installment	10	50	116	3	18	intellectually	1	4	10	1	10
instance	A	210	446	210*	718	intelligence	32	130	144	91	215
instant	A	270	333	270*	239	intelligent	27	83	199	87	130
instantaneous	2	8	14	5	15	intelligently	3	7	35	3	16
instantaneously	1	3	3	2	10	intelligentsia	1	2	15	0	2
instantly	45	203	246	196	167	intelligible	2	16	6	7	21
instead	AA	700	966	700*	623	intemperance	1	14	0	3	6
instep	1	2	10	1	7	intemperate	1	12	1	3	7
instigate	1	16	3	0	10	intend	A	340	329	340*	383
instigation	1	14	6	0	13	intense	18	40	94	86	110
instill (stil)	2	11	12	5	12	intensely	8	17	57	31	45
instinct	30	90	159	178	120	intensify	4	14	27	7	34
instinctive	5	28	39	18	20	intensity	12	57	64	29	82
instinctively	7	29	75	24	14	intensive	3	6	33	1	27
institute	21	130	69	22	160	intensively	1	2	8	0	18
institution	49	115	218	35	519	intent	23	118	101	95	117
institutional	1	1	8*	2	9	intently	8	42	45	51	14
instruct	30	230	89	139*	99	intention	33	130	152	113	216
instruction	45	230	167	204*	215	intentional	2	8	4	12	16
instructive	3	18	12	8	32	inter	4	50	2	4	23
instructor	8	50	44	7	43	interaction	1	2	0	0	16
instrument	42	240	188	0	341	intercede	1	11	2	9	1
instrumental	3	18	10	8	30	intercept	6	50	15	12	33
instrumentality	1	6	3	4	6	intercession	1	28	0	2	2
insufferable	1	10	11	5	1	interchange	5	57	12	12	15
insufficiency	1	10	1	3	7	interchangeable	1	8	4	2	7
insufficient	5	18	28	9	46	intercourse	8	57	24	15	55
insular	1	8	8	2	9	interdependence	1	4	0	0	14

interdict to inveigle

	G	T	L	J	S		G	T	L	J	S
interdict	1	14	0	2	5	intervention	6	14	15	8	76
interest	AA	700	M	700*	M	interview	26	90	184	48	147
interesting (adj.)	A	?	506	?	515	interviewer	1	1	9	0	14
interfere	23	57	123	101	142	interwoven	2	14	5	11	11
interference	11	57	35	29	93	intestinal	1	16	7	2	0
interim	1	14	8	0	10	intestine	4	28	11	7	34
interior	33	130	185	88	191	intimacy	6	50	46	8	21
interlace	1	18	4	9	3	intimate	24	74	172	45	152
interlock	1	12	5	5	7	intimately	5	16	37	13	31
interloper	1	8	6	7	1	intimation	2	14	12	7	18
interlude	2	10	33	2	4	intimidate	1	10	11	0	14
intermarry	1	6	2	1	10	into	AA	M	M	M	M
intermediate	5	28	8	17	38	intolerable	7	43	31	13	50
interment	1	14	1	1	4	intolerably	1	7	12	0	5
interminable	3	14	29	6	15	intolerance	1	12	7	2	8
interminably	1	4	8	0	6	intolerant	2	11	13	2	10
intermingle	2	18	8	5	12	intonation	1	10	4	3	6
intermission	2	28	11	5	8	intoxicant	1	5	3	1	12
intermit	1	11	0	0	9	intoxicate	8	57	36	15	53
intermittent	2	18	8	3	20	intoxication	2	12	10	5	11
intermittently	1	10	9	1	8	intrench	1	12	1	9	6
intermix	1	11	0	6	1	intrenchment	1	6	0	14	7
intern	1	3	20	0	9	intrepid	2	11	4	18	10
internal	15	82	36	19	147	intricacy	1	8	13	4	6
internally	1	8	6	4	11	intricate	6	28	38	8	44
international	36	46	161	17	441	intrigue	9	28	64	8	70
internationally	1	4	10	0	4	intrinsic	2	14	9	2	26
interne	1	0	17	1	0	introduce	A	230	294	230*	418
interpose	9	57	25	32	49	introduction	31	57	93	33	379
interposition	1	10	0	4	7	intrude	6	57	39	10	19
interpret	15	90	50	32	110	intruder	6	50	21	39	11
interpretation	10	57	44	10	78	intrusion	5	50	20	7	16
interpreter	6	57	13	13	27	intrust	7	50	11	31	42
interrogate	1	8	5	3	2	intuition	2	12	27	3	8
interrogation	1	6	9	4	7	intuitive	2	16	15	2	16
interrogative	1	14	4	3	2	inundate	1	10	5	4	9
interrupt	39	160	314	113	120	inundation	1	11	0	3	11
interruption	8	28	47	25	48	inure	1	11	5	1	2
intersect	2	14	3	10	23	invade	20	130	61	64	108
intersection	3	10	23	2	25	invader	8	50	15	33	51
intersperse	2	16	6	11	6	invalid	9	57	56	23	35
interstate	4	16	7	4	52	invaluable	4	28	31	9	16
interstice	1	4	7	5	2	invariable	2	10	16	7	16
intertwine	1	14	4	4	5	invariably	13	47	79	41	74
interurban	1	8	6	0	12	invasion	14	57	35	41	130
interval	32	90	149	135	207	invective	1	10	2	2	4
intervene	13	50	44	65	78	inveigle	1	8	7	0	4

invent to Islam

	G	T	L	J	S		G	T	L	J	S
invent	33	160	125	151	160	irksome	2	18	9	4	10
invention	42	160	86	218	298	iron	AA	700	454	583*	595
inventive	2	10	9	5	15	ironclad	1	2	6	2	11
inventor	14	57	19	112	77	ironic	2	1	22	0	14
inventory	2	16	19	3	11	ironical	1	8	9	3	5
inverse	1	14	1	0	10	ironically	1	6	8	2	2
inversion	1	8	2	1	11	Ironsides (i)	1	5	2	7	5*
invert	7	57	20	13	49	irony	4	14	37	6	17
invertebrate	1	12	1	2	5	Iroquois	2	11	4	20	12*
invest	20	90	128	23	119	irradiate	2	10	34	0	3
investigate	19	57	110	56	121	irrational	1	16	9	2	2
investigation	23	57	116	39	213	irreconcilable	2	12	2	2	22
investigator	7	16	21	58	44	irregular	16	105	44	44	95
investment	23	57	175	8	189	irregularly	1	10	5	3	11
investor	6	11	51	0	52	irregularity	3	11	12	8	23
inveterate	1	14	4	4	12	irrelevant	1	10	16	1	8
invidious	1	10	0	3	8	irreparable	1	10	8	4	6
invigorate	1	14	2	6	8	irrepressible	1	10	0	7	9
invincible	3	28	8	12	14	irreproachable	1	8	4	0	6
inviolable	1	10	3	2	4	irresistible	7	39	51	12	28
invisible	22	115	74	117	100	irresistibly	2	11	10	6	10
invitation	35	210	194	135*	101	irresolute	1	10	7	9	4
invite	A	370	337	370*	147	irresolutely	1	8	4	3	12
inviting (adj.)	3	20	18	20	8	irrespective	1	7	10	2	15
invitingly	1	5	8	5	3	irresponsible	3	12	30	1	18
invocation	1	12	4	1	6	irretrievable	1	11	8	2	0
invoice	1	14	2	2	2	irreverent	1	10	3	3	6
invoke	3	28	7	13	23	irrevocable	1	11	9	4	9
involuntarily	3	24	26	8	10	irrevocably	1	5	12	1	6
involuntary	5	33	26	12	20	irrigate	4	50	3	8	25
involve	44	115	235	48	396	irrigation	8	57	15	26	56
invulnerable	1	10	2	2	7	irritability	1	8	6	2	5
inward	11	90	43	30	42	irritable	4	21	34	6	12
inwardly	4	40	32	2	8	irritably	1	7	18	0	0
iodine	2	16	13	2	22	irritate	12	57	87	33	49
ion	1	3	1	0	18	irritation	5	28	28	12	27
Ionian	2	10	0	2	27	irruption	1	10	0	3	6
Ionic (i)	1	4	0	3	15	Irving	8	14	20	83	39*
Iowa	10	57	67	13	46*	is	AA	M	M	M	M
ire	1	16	2	6	5	Isaac	11	57	11	89	52*
Ireland	14	90	31	75	65*	Isabel (Ile)	6	57	22	9	29*
Irene	10	14	167	1	7*	Isabella	5	2	59	9	23*
iridescent	1	4	10	12	3	Isaiah	1	12	0	2	5*
iris (I)	9	57	84	18	6	Iscaiot	1	11	0	3	5*
Irish	31	120	150	41	249	Ishmael	1	11	2	2	5*
Irishman	3	18	19	13	20	Isis	1	12	2	1	5*
irk	1	6	14	2	3	Islam	1	4	2	0	23

island to jerk

	G	T	L	J	S		G	T	L	J	S
island	AA	700	395	700*	M	Jameson	1	3	15	0	8
islander	1	14	5	6	9	Jamestown	4	57	5	13	10
isle	28	210	25	160*	109	Jan	1	0	11	7	8
islet	3	12	8	13	23	Jan.	6	90	3	4	16
isn't	AA	57	M	235	?	Jane	A	90	709	51	366
isolate	13	57	78	26	87	Janet	4	2	32	32	6
isolation	4	18	21	8	31	jangle	2	18	12	5	3
Israel	9	130	5	9	34	Janissary (j) (zary)	1	3	0	1	31
Israelite	1	16	2	4	11	janitor	2	28	15	0	9
issue	AA	330	447	330*	902	January	A	310	294	267*	198
isthmus	13	160	10	33	34	Janus	1	11	0	3	6
it	AA	M	M	M	M	Japan	49	130	110	33	609
Italian	A	240	136	240*	398	Japanese	38	90	170	40	385
Italy	41	240	89	240*	170*	jar	43	220	248	196*	119
itch	5	57	20	9	11	jargon	1	11	5	3	11
item	26	115	167	63	124	jasmine	1	10	11	4	7
Ithaca	1	11	3	7	0	Jason	5	11	10	16	66
itinerant	1	6	11	2	9	jasper (J)	2	16	20	9	8
itinerary	1	7	7	0	6	jaundice	1	12	4	0	6
its	AA	M	M	M	M	jaunt	1	6	11	6	4
it's	AA	115	M	218	?	jaunty	3	16	26	6	9
itself	AA	430	775	430*	M	Java	3	18	18	3	30
I've	41	160	215	?	?	javelin	4	28	3	12	29
ivory	13	160	91	49	50	jaw	11	210	152	148*	81
ivy	11	90	68	45	7	jay (J)	15	57	124	52	50
						jazz	5	12	34	1	55
jab	2	1	13	-7	16	jealous	25	141	183	76	51
jabber	1	6	7	12	3	jealously	3	19	21	15	7
jack (J)	A	330	569	330*	246	jealousy	17	130	76	38	77
jackal	2	18	4	31	0	jean (J)	34	90	361	186	76
jackass	1	7	15	0	5	Jeanne	1	2	9	2	8
jackdaw	1	6	0	9	4	jeer	7	50	35	27	15
jacket	22	90	192	72	42	Jeff	7	3	134	0	2
Jackson	27	90	144	55	210	Jefferson	15	50	42	35	146
Jacob	16	130	39	92	34	Jeffrey	1	2	7	0	24
Jacobin	1	6	0	1	15	Jehovah	2	18	18	5	8
Jacques	7	12	2	87	26	jehu (J)	1	14	1	1	4
jade	4	28	37	8	14	jelly	19	128	169	35	21
jag	1	12	3	3	3	jellyfish	2	12	6	21	0
jagged	2	7	16	19	6	Jenkins	3	7	33	3	12
jaguar	2	3	1	31	8	Jennie	9	0	95	7	5
jail	22	90	185	19	114	jenny (J)	5	16	64	18	9
jailer (or)	2	16	4	17	11	jeopardize	2	6	15	2	18
jam	16	50	164	28	52	jeopardy	2	18	7	5	15
Jamaica	1	13	3	6	9	Jeremiah	2	14	15	3	12
James	A	370	314	370*	590	Jericho	1	16	1	0	8
						jerk	18	57	147	88	42

jerkin to judge

	G	T	L	J	S		G	T	L	J	S
jerkin	2	11	3	27	6	jointly	2	15	6	15	15
jerky	1	1	17	11	6	joke	32	157	230	77	128
Jerome	3	4	37	15	8	joker	1	2	8	9	6
Jerry	40?	14	495	211	4	jollity	1	12	1	7	5
jersey (J)	21	130	106	30	122	jolly	22	130	97	118	59
Jerusalem	12	90	34	17	90	jolt	5	28	46	8	8
jess (J)	1	6	15	0	4	Jonah	1	14	3	2	2
Jesse	2	12	8	9	14	Jonathan	3	28	28	2	2
Jessie	5	11	68	15	15*	Jones	30	57	242	31	210
jest	20	115	60	134	54	Jonson	2	7	9	5	24
jester	3	16	0	43	8	Jordan	8	57	48	2	54
Jesuit	2	14	4	2	22	José	2	6	15	0	24
Jesus	18	90	51	27	160	Joseph	38	235	77	175*	212
jet	9	90	14	36	29	Josephine	3	12	40	5	6
jetty	1	10	11	4	7	Josephus	1	3	1	0	18
Jew	19	130	85	44	86	Josh	2	2	0	31	10
jewel	41	240	150	240*	124	Joshua	5	50	10	24	16
jeweler	4	16	49	10	14	Josiah	2	12	1	6	26
jewelry	12	115	58	24	22	jostle	6	57	23	24	13
Jewish	10	18	43	19	114	jot	3	18	32	5	5
jib	2	11	5	13	7	journal	AA	90	M	34	775
jiffy	1	8	13	7	3	journalism	4	5	30	3	51
jig	4	57	12	10	4	journalist	4	7	26	7	49
jill (J)	3	11	42	4	14	journalistic	1	3	8	1	14
jilt	1	6	15	0	0	journey	A	700	190	401*	314
Jim	A	57	807	25	264	journeyman	1	6	0	4	9
Jimmy	32	7	561	0	22	joust	12	10	5	16	188
jimmy	1	4	8	8	2	Jove	9	90	9	38	31
jingle	6	50	22	30	15	jovial	2	12	14	16	6
Jo	2	28	21	0	0	jovially	1	6	11	2	0
Joan	18	18	292	13	16	jowl	1	10	4	1	6
Joanna	2	8	28	1	4	joy	AA	700	418	514*	423
job (J)	AA	220	M	220*	260	joyful	14	148	16	64*	28
jobber	2	7	12	0	20	joyfully	9	97	14	42	14
jockey	2	16	13	1	11	joyless	1	14	1	4	4
jocular	1	8	7	1	3	joyous	11	64	59	44	48
jocund	4	57	0	8	12	joyously	4	26	32	20	6
Joe	38	115	428	79	70	joyousness	1	4	1	11	5
Joel	1	11	7	2	8	Jr.	1	0	31	4	0
jog	4	18	20	26	17	Juan	7	4	34	18	76
Johann	2	3	1	3	42	joyfulant	2	11	20	7	9
John	AA	M	M	M*	565	jubilee	4	57	9	5	15
Johnny	41	90	283	356	26	Judaea	1	16	0	2	4
Johnson	22	15	141	12	234	Judah	3	57	5	0	8
Johnston	3	7	28	19	16	Judaism	1	7	1	0	12
join	AA	700	431	580*	610	Judas	2	18	10	9	4
joint	36	205	99	205*	154	judge	AA	700	638	700*	680

judgment to kept

	G	T	L	J	S		G	T	L	J	S
judgment (ge)	A	300	213	300*	374	justification	5	28	24	3	39
judicial	7	11	19	16	81	justify	A	130	727	37	211
judiciary	2	8	3	9	20	Justin	1	3	13	0	9
judicious	3	30	10	9	15	justly	7	35	13	35*	56
judiciously	2	20	14	3	7	jut	6	57	23	20	10
Judith	4	11	63	3	4	jute	1	16	11	0	6
Judy	9	0	165	1	4	juvenile	5	12	54	4	21
jug	8	57	35	32	20	juxtaposition	1	8	3	1	6
juggle	4	50	10	4	9						
juggler	1	11	9	13	2						
Jugoslav (Jugo-						Kaffir (k)	1	8	5	0	8
Slav)	2	4	0	0	34	Kaiser (k)	4	14	17	22	76
Jugoslavia (Jugo-						Kalamazoo	1	1	15	0	2
Slavia)	1	0	0	0	36	kale	1	11	17	0	2
juice	37	130	463	37	48	kaleidoscope	1	7	10	3	5
juicy	6	50	21	31	8	Kanaka	1	0	1	0	22
Jules	12	3	2	209	6	kangaroo	2	12	7	14	8
Julia	24	57	63	15	307	Kansas	19	57	173	18	98
Julian	2	8	7	3	28	Kansas City	6*	6	18	1	96
Juliet	7	50	61	0	22	Kant	2	6	5	0	36
Julius	7	50	10	13	68	Karl	9	7	53	77	28
July	A	430	307	371*	376	Kate	25	245	83	115*	18
jumble	3	28	19	12	8	Katherine	8	57	75	4	18
jump	A	500	500	500*	252	Katie	3	12	36	9	0
jumper	3	7	31	14	16	Kay	20	0	47	231	97
jumpy	6	0	111	0	4	Keats	1	7	9	2	16
junction	8	28	27	19	86	keel	7	50	15	40	22
juncture	2	10	9	8	24	keelson	1	1	0	15	2
June	A	390	491	390*	383	keen	35	128	168	221	128
jungle	16	28	69	115	76	keenly	8	32	52	45	30
junior	31	90	379	18	87	keenness	1	11	2	13	9
juniper	3	18	7	19	10	keep (ing)	AA	M	M	M	M
junk	6	28	67	9	18	keeper	23	130	23	94	69
Junker	2	1	0	15	20	keg	3	11	9	21	15
junket	1	10	8	1	0	Keller	1	7	11	2	2
Juno	7	28	2	91	14	Kelley	3	3	47	0	7
Jupiter	28	50	2	332	132	Kellog (gg)	4	3	6	0	64
Jurassic	1	4	2	1	12	Kelly	6	5	48	5	50
jurisdiction	8	28	11	9	96	ken	6	18	85	7	14
jurisprudence	1	10	4	1	18	Kennedy	2	0	23	5	12
jurist	2	6	10	0	26	kennel	6	50	26	23	9
juror	4	1	52	7	13	Kensington	1	3	11	2	10
jury	26	57	246	57	118	Kent	9	28	104	13	28
juryman	1	5	4	5	10	Kentucky	18	50	47	111	124
just	AA	M	M	M	M	Kenyon	1	3	8	2	10
justice	A	380	181	380*	564	Kepler	1	1	1	3	15
justifiable	2	11	9	2	16	kept	AA	700	M	700*	904*

kerchief to kodak

	G	T	L	J	S		G	T	L	J	S
kerchief	3	18	9	32	5	Kipling	2	2	10	3	36
kernel	4	57	11	14	4	kirk	2	11	12	6	7
kerosene	7	57	37	24	22	kirtle	1	10	0	11	0
ketch	1	2	10	6	2	kiss	AA	700	M	600*	161
kettle	27	230	107	121*	37	kit	10	28	80	55	17
key	A	330	268	259*	178	kitchen	AA	390	956	390*	195
keyboard	1	10	9	7	5	kitchenette	1	2	21	0	3
keyhole	1	11	6	11	2	kite	10	115	13	56	13
keynote	2	14	14	3	22	kitten	35	230	123	230*	50
keystone	2	14	21	8	9	kitty (K)	14	115	102	2	36
khaki	1	11	16	0	10	Klan	3	1	8	0	53
khan	2	8	4	7	32	knack	4	28	33	4	13
khedive	1	2	1	1	15	knapsack	2	8	14	18	6
kick	47	290	248	214*	105	knave	18	130	2	150	58
kid	A	270	786	270*	36	knavish	1	8	1	4	13
kidnap	5	14	44	16	21	knead	5	50	10	29	2
kidney	5	57	19	9	8	knee	AA	700	501	483*	248
kill	AA	M	919	M*	832	knee-deep	1	0	6	10	5
killer	3	7	41	5	8	kneel	19	130	59	94	69
kiln	2	12	1	20	4	knell	8	130	6	15	9
kilogram (mme)	1	18	5	8	0	knelt	13	28	78	83	47
kilometer (tre)	3	57	2	2	10	knew	AA	700	M	M*	M
kilowatt	2	5	15	0	17	knickerbocker (K)	3	28	3	4	21
kilt	1	5	6	4	4	knife	A	400	251	450*	122
kimono (a)	2	14	17	5	1	knight (K)	AA	310	47	310*	M
kin	13	57	85	55	47	knighthood	6	28	3	75	8
kind	AA	M	M	M	M	knightly	6	12	0	65	32
kindergarten	3	18	17	8	11	knit (ting)	30	235	117	137*	59
kind-hearted	3	15*	14	15	16	knives	9	57	42	55	20
kindle	13	130	6	59	52	knob	7	57	43	22	14
kindliness	1	6	7	8	9	knock	A	340	372	293*	167
kindling	1	2	12	7	5	knocker	2	16	13	11	3
kindly	A	310	209	229*	167	knockout	1	3	18	0	7
kindness	35	260	115	161*	109	knoll	6	57	9	41	11
kindred	12	130	15	41	36	knot	26	160	97	115	107
kine	1	18	1	9	5	knothole	1	3	2	14	0
king (K)	AA	M	393	M*	M	knotted	1				
kingbird	1	5	0	16	1	knotty	1	4	12	12	6
kingdom	A	340	52	340*	340	know	AA	M	M	M	M
kingfisher	2	7	1	36	1	knowing (adj.)	20*	?	194	?	?
kingly	7	90	2	41	6	knowingly	1	6	9	4	6
kingship	1	12	0	7	10	knowledge	AA	400	465	400*	640
Kingston	3	7	7	12	32	known	AA	M	M	?	600*
kink	1	5	9	5	11	Knox	3	6	15	3	40
kinsfolk	1	10	3	10	4	Knoxville	1	2	8	2	14
kinship	2	11	9	7	14	knuckle	5	18	38	16	21
kinsman	8	57	3	52	34	kodak	1	16	0	0	4

Koran to largely

	G	T	L	J	S		G	T	L	J	S
Koran	1	12	2	1	14	lambkin	1	18	0	3	2
Korea	3	12	7	7	30	lame	29	225	43	225*	42
Korean	1	6	0	5	21	lamely	1	10	12	10*	0
Ku-Klux	4	0	4	68	17	lameness	2	14	8	12	4
Kurd	1	1	0	0	20	lament	13	130	20	43	52
						lamentable	3	36	8	8	12
la	30	16	66	29	429	lamentably	1	14	5	2	4
label	7	90	90	7	52	lamentation	8	90	8	28	18
labor	AA	700	628	700*	M	lamp	A	420	270	296*	197
laboratory	16	50	85	50	116	lampblack	1	2	1	11	6
laborer	19	90	19	36	212	lamplight	1	3	25	1	4
laborious	3	11	17	18	21	Lancashire	2	6	4	9	23
laboriously	2	7	25	7	4	Lancaster	3	14	5	28	23
Labrador	5	57	0	17	24	lance	16	130	20	101	38
labyrinth	3	50	6	12	14	Lancelot	4	14	5	3	52
lace	32	265	100	145*	66	lancet	1	14	1	3	11
Lacedaemonian	2	7	0	14	21	land	AA	M	940	M*	M
lack	A	332	414	332*	462	landed	1	?	4	?	12
lackey	1	8	3	6	6	landing (n.)	6	?	50	?	12
lacking (adj.)	6	18	20	18	21	landing place	1	6*	0	6	11
Laconia (ian)	2	1	0	7	35	landlady	5	14	57	10	15
laconic	1	8	7	3	8	landlord	12	50	37	42	88
lacquer	3	10	41	5	5	landmark	6	50	17	27	21
lacy	2	4	36	1	0	landowner	4	18	14	10	32
lad	A	350	133	350*	172	landscape	19	90	100	57	103
ladder	19	200	99	0	51	landward	1	10	1	2	6
laddie	1	3	6	13	0	lane	32	220	152	148	71
laden	12	124	32	34	34	Lang	2	3	15	3	27
lading	1	18	2	0	0	Langland	3	0	0	67	0
ladle	2	18	5	17	4	language	A	430	255	430*	603
lady (L)	AA	700	M	M*	M	languid	3	32	16	11	11
ladybird	1	4	14	14	0	languidly	2	18	26	2	6
ladyship	2	14	6	4	19	languish (ing)	7	90	13	10	19
Laertes	1	1	0	32	0	languor	1	16	3	5	8
Lafayette	3	28	14	10	9	lank	2	28	10	6	7
lag	9	90	35	27	13	lanky	1	2	11	3	2
laggard	2	14	8	13	7	lantern	19	115	92	95	53
lagoon	4	12	11	5	53	lap	36	290	146	165*	60
laid	AA	700	507	527*	375*	lapel	1	6	21	0	5
lain	9	57	37	33	40*	Lapland	2	14	1	5	19
lair	5	50	9	26	11	lapse	8	57	43	11	50
laird	3	6	42	4	8	larceny	1	8	12	1	2
laity	1	11	3	0	12	larch	2	28	2	3	6
lake	AA	700	408	700*	M	lard	9	130	22	5	11
lamb (L)	45	340	179	203*	90	larder	1	16	1	5	7
Lambert	2	12	17	1	?	large	AA	M	M	M	M
						largely	A	?	193	?	448

largeness to leakage

	G	T	L	J	S		G	T	L	J	S
largeness	1	12	1	0	6	laurel	12	115	29	33	42
largess (esse)	1	11	3	3	6	lava	12	28	5	123	75
lariat	1	1	14	2	6	lavatory	1	11	13	0	5
lark	22	220	20	130*	40	lave	1	12	2	5	3
larkspur	1	8	19	2	0	lavender	11	50	61	83	6
larva (ae)	10	57	14	88	34	lavish	8	55	39	18	34
larval	1	8	1	4	8	lavishly	5	35	27	18	12
larynx	1	12	5	1	8	law	AA	M	871	?	M
La Salle	4	12	58	4	4	law-abiding	2	9	14	4	10
lascivious	1	18	1	0	3	lawbreaker	2	9	8	7	12
lash	22	90	127	103	76	lawful	9	81	14	38	45
lass	9	90	21	70	6	lawfully	1	9	3	3	5
lassie	1	4	11	7	4	lawgiver	1	11	0	3	6
lassitude	1	10	7	2	0	lawless	7	57	9	26	34
last	AA	M	M	M	M	lawlessness	2	2	7	9	22
lasting	13	?	63	?	56	lawmaker	1	16	6	1	8
lastly	7	30	24	28	46	lawn	37	260	203	169*	43
latch	8	90	15	32	23	Lawrence	17	57	187	8	71
late	AA	M	M	M	M	Lawson	2	2	45	5	0
lately	21	97	130	47	113	lawsuit	3	12	13	14	18
latent	5	50	16	13	28	lawyer	47	160	417	83	203
lateral	5	41	7	0	45	lax	2	12	8	2	14
laterally	1	9	3	3	4	laxity	1	8	4	2	10
lath	2	11	12	3	15	lay	AA	M	984	?	717
lathe	2	18	2	8	11	layer	34	90	151	229	155
lather	2	10	22	3	6	layette	1	12	13	0	0
Latimer	2	3	47	2	0	layman	6	50	33	3	41
Latin	A	230	56	230*	444	layout	2	4	27	0	17
latitude	12	57	12	34	115	Lazarus	2	16	2	2	18
Latona	1	2	0	20	0	lazily	5	45	24	25	10
latter	A	266	246	267*	789	laziness	2	8	29	11	4
latterly	1	4	3	3*	10	lazy	25	200	106	126*	28
lattice	3	18	19	18	5	lb. (lbs.)	6	115	1	0	6
laud (L)	1	18	7	0	6	lea (L)	5	57	1	22	11
laudable	1	14	9	5	7	leach	1	8	4	2	5
laugh	AA	M	M	M*	670	lead	AA	M	994	?	852
laughable	1	14	3	5	6	leaden	3	16	20	6	15
laughingly	2	5	34	1	8	leader	AA	360	373	360*	792
laughingsto-	1	2	5	6	10	leadership	18	57	94	28	155
laughter	47	240	275	240*	105	leading (n. adj.)	A	?	223	?	270
launch	18	90	94	71	82	leaf	27	90	155	148	200
launder	3	12	38	1	4	leafless	3	28	5	14	7
laundress	1	6	10	6	3	leaflet	7	28	75	0	27
laundry	9	90	148	7	24	leafy	7	50	23	43	16
laundryman	2	50	2	1	0	league	A	300	219	300*	489
Laura	12?	16	180	3	18	leak	8	57	54	15	22
laureate	1	18	3	1	10	leakage	1	10	7	1	4

leaky to lest

	G	T	L	J	S		G	T	L	J	S
leaky	1	11	8	1	3	leggings	3	57	5	7	0
lean	A	320	641	320*	253	leghorn (L)	1	12	0	5	4
lean-to	2	0	20	9	11	legible	1	11	4	2	3
leap	A	390	304	390*	266	legion	15	115	43	17	107
leapt	1	1	2	12	5*	legionary	1	8	12	0	1
Lear	2	6	18	3	14	legislate	1	11	6	1	9
learn	AA	M	M	M*	918	legislation	23	57	97	17	260
learned (adj.)	16	?	110	?	88	legislative	11	28	14	22	141
learning (n.)	27	?	108	?	190	legislator	4	28	10	8	27
learnt	1	3	1	21	4	legislature	9	90	60	105	22
lease	14	57	72	11	121	legitimate	11	50	72	14	75
leash	3	14	32	4	8	legume	1	14	1	2	3
least	AA	700	M	700*	M	Leibnitz	1	2	0	0	29
leather	A	370	171	231*	151	Leicester	3	16	4	27	10
leathern	3	18	5	24	10	Leigh	1	3	25	0	3
leathery	1	2	8	4	6	Leighton	4	3	69	0	10
leave	AA	M	M	M	M	Leipsic (g)	2	12	2	7	28
leaven	4	57	5	6	11	leisure	19	90	115	60	79
Leavenworth	1	?	1	2	14	leisurely	8	11	59	47	34
leavings	1	?	6	3	?	lemon	27	130	301	26	45
Lebanon	4?	57	0	2	18	lemonade	7	90	39	2	6
lecture	28	115	144	62	190	lend	35	240	140	173*	88
lecturer	5	18	24	7	51	lender	1	14	7	1	4
led	AA	700	467	556*	500*	length	AA	M	328	?	620
ledge	14	90	47	95	33	lengthen	9	57	31	47	28
ledger	2	14	13	5	15	lengthwise	4	18	22	36	6
lee (L)	28	115	211	50	145	lengthy	2	5	16	10	12
leech	4	50	4	22	11	leniency	1	8	2	0	8
leek	1	12	3	0	4	lenient	2	16	9	6	8
leer	2	16	30	3	2	Lenin	1	0	15	0	3
lees	1	8	7	0	?	Lenox	1	3	20	0	3
leeward	2	12	4	16	10	lens	7	18	20	19	72
left	AA	M	M	M	M	lent (L)	19	115	50	115	65*
left-hand	1	3	11	5	12	Leo	4	2	33	7	41
left-handed	1	0	16	1	16	Leon (León)	7	3	104	0	36
leftover	2	2	45	0	3	Leonard	10	57	25	96	17
leg	AA	700	642	700*	324	leopard	6	50	13	45	16
legacy	4	50	15	0	21	Leopold	2	3	1	2	32
legal	28	74	180	27	236	leper	2	28	19	1	4
legality	1	5	5	1	15	leprosy	2	18	24	2	3
legalize	1	7	4	1	18	leprous	1	12	4	0	2
legally	6	16	40	6	46	Leslie	5	7	46	3	40
legate	1	18	0	1	16	less	AA	M	M	M	M
legation	1	6	10	3	13	lessen	15	90	58	36	100
legend	22	90	102	74	140	lesser	7	57	46	3	30
legendary	3	28	7	1	18	lesson	A	700	319	407*	203
legged	1	2	1	16	6	lest	30	230	67	136*	111

let to lime

	G	T	L	J	S		G	T	L	J	S
let	AA	M	M	M	M	lid	16	130	92	50	20
lethargy	1	12	8	5	8	lie	AA	700	610	700*	M
let's	36	57	441	96	57*	lief	1	18	3	0	13
letter	AA	M	M	M*	M	liege	5	57	0	27	11
lettered (adj.)	1	?	9	?	0	Liège	1	6	0	1	13
letterhead	1	10	11	0	0	liegeman	1	5	0	28	0
lettering (n.)	1	2	8	?	0	lien	3	6	5	1	44
lettuce	12	57	142	13	20	lieu	2	18	7	5	8
Levant	1	4	1	2	12	lieutenant	33	115	132	105	246
levee	5	12	69	9	10	lieutenant com- mander	1	0	4	6	11
level	A	370	331	370*	480	life	AA	M	M	M	M
levelly	1	?	10	?	0	lifeboat	1	8	6	2	8
lever	5	28	15	19	40	lifeless	6	28	34	38	17
Levi	1	18	2	1	0	lifelike	1	11	2	2	8
leviathan (L)	1	12	4	2	7	lifelong	4	16	22	15	24
Levite	1	18	1	0	1	lifetime	14	57	87	37	72
levity	1	18	6	4	5	lift	AA	700	717	606*	402
levy	11	57	44	23	84	ligament	1	11	2	3	2
lewd	3	57	3	1	3	light	AA	M	M	M	M
Lewis	9	50	82	10	25	lighten	13	130	62	30	41
lex	1	5	3	0	11	lighter (n.)	1	3	14	2	6
lexicon	1	8	5	0	11	light-hearted	2	4	23	15	11
Lexington	3	12	20	10	25	lighthouse	7	57	15	22	42
Leyden	1	8	0	14	6	lighting (n.)	7*	?	?	?	32
liability	7	16	47	2	68	lightly	40	?	235	?	127
liable	11	57	31	34	85	lightness	2	12	16	11	13
liaison	1	10	8	0	6	lightning	31	210	101	143*	119
liar	8	90	36	9	21	lightweight	2	2	29	1	7
lib.	1	3	22	3	0	ignite	1	10	2	5	4
libation	1	14	2	4	1	likable	1	3	16	1	0
libel	2	18	14	0	20	like	AA	M	M	M	M
liberal	25	117	62	22	252	likelihood	3	18	16	8	23
liberalism	1	6	11	0	18	likely	A	220	364	220*	466
liberality	2	28	2	8	14	liken	4	57	8	10	13
liberally	2	13	10	10	20	likeness	10	90	18	31	52
liberate	9	50	11	56	55	likewise	22	115	1	115	180
liberation	2	14	11	1	20	liking (n.)	6	?	43	?	20
liberty	A	400	152	300*	346	lilac	6	18	52	18	24
librarian	3	14	24	8	25	Lille	1	12	1	9	11
library	A	290	432	290*	387	lilt	1	8	12	4	2
libretto	1	4	7	3	6	lily	33	240	164	149*	43
Libya (n)	1	14	1	4	16	Lima	2	5	19	1	25
lice	1	16	4	7	2	limb	38	260	75	208*	156
license (ce)	22	115	145	22	125	limber	1	11	7	2	1
licentious	1	12	0	0	10	limbo	1	10	6	1	5
lichen	7	28	4	64	32	lime	27	130	70	191	108
lick	22	130	128	92	51						

limelight to local

	G	T	L	J	S		G	T	L	J	S
limelight	1	4	16	0	7	list	A	700	489	519*	368
limerick (L)	2	4	30	3	14	listen	AA	700	M	700*	469
limestone	20	57	41	173	92	listener	8	28	40	41	45
limit	A	280	314	280*	660	listless	2	11	19	8	6
limitation	13	50	58	4	136	listlessly	1	7	18	6	0
limited (adj. n.)	18	60	67	60*	140	listlessness	1	8	5	3	4
limitless	2	16	13	4	8	lit	16	57	103	50	70*
limousine	2	6	40	4	1	litany	1	12	1	4	3
limp	15	80	101	68	31	liter	1	12	1	10	10
limpet	1	5	0	17	9	literal	2	10	10	5	13
limpid	1	11	4	9	8	literally	14	47	102	23	65
Lincoln	A	160	226	452	190	literary	33	90	77	20	422
Lincolnshire	1	3	1	1	16	literature	40	115	95	43	491
Lind	2	2	25	11	10*	lithe	4	18	32	15	9
Lindbergh	1	0	20	0	11	litigation	1	12	8	1	14
linden	4	57	4	20	0	litter	12	90	50	59	22
line	AA	M	M	M	M	little	AA	M	M	M	M
lineage	2	16	9	6	7	live (ing)	AA	M	M	M	M
lineal	1	14	2	2	2	livelihood	6	50	30	14	30
lineament	1	18	2	0	9	livelong	2	28	0	6	8
linear	1	6	0	4	16	lively	36	235	103	235*	78
linen	47	250	281	212*	104	liver	10	115	39	16	12
liner	4	10	37	6	28	Liverpool	8	16	26	12	104
ling	1	4	12	1	3	livery	9	90	27	22	13
linger	26	130	118	121	102	livestock	1	10	20	2	13
lingerie	2	14	22	0	2	livid	2	11	21	3	5
linguistic	1	3	4	0	11	Livingston	2	0	13	31	6
liniment	1	12	4	4	4	Livingstone	5	5	29	54	6
lining (n.)	13	90	85	12	62*	Livy	1	10	0	1	7
link	24	160	103	62	116	lizard	7	28	12	63	35
linnet	1	18	0	14	3	Lizzie	1	0	10	11	7
linoleum	4	18	53	0	4	llama	1	9	3	3	7
linseed	3	50	5	2	12	lo	18	115	8	115	88
lint	2	14	17	4	9	load	A	700	253	430*	336
lintel	1	12	13	5	3	loaf	17	115	89	65	54
lion	A	700	111	339*	205	loafer	1	3	18	4	10
Lionel	3?	7	2	48	7	loam	2	16	9	2	19
lioness	3	14	1	37	2	loan	30	57	206	25	257
lip	AA	700	921	700*	332	loath	7	50	17	18	55
lipstick	4	0	71	0	3	loathe	7	57	49	13	12
liquid	31	160	91	105	217	loathsome	4	57	12	12	5
liquidate	1	5	17	0	15	loaves	3	16	18	14	13
liquidation	2	6	22	0	14	lobby	8	50	73	4	18
liquor	34	130	165	32	290	lobbyist	1	1	3	0	18
lira (e)	1	8	1	0	14	lobe	2	16	11	1	13
Lisbon	2	18	1	12	14*	lobster	7	18	45	68	8
lisp	3	57	4	4	6	local	A	211	376	211*	542

locality to lout

	G	T	L	J	S		G	T	L	J	S
locality	10	57	39	47	147	longitudinal	2	10	0	2	34
localize	1	16	6	0	13	long-suffering	1	8	13	1	1
locally	3	9	8	9	33	long-term	1	0	30	0	0
locate	A	200	M	200*	151	look	AA	M	M	M	M
location	16	115	92	20	78	looking glass	1	2	1	22	9
loch	1	8	3	6	11	lookout	8	28	47	52	28
Lochinvar	1	6	3	0	9	loom	21	90	81	122	86
lock	A	380	277	275*	168	loon	7	16	15	98	4
Locke	3	11	5	1	41*	loop	15	115	63	33	63
locker	3	7	21	16	12	loophole	4	50	5	14	20
locket	1	14	5	3	7	loose	A	400	274	285*	180
locomotion	1	14	4	7	9	loosely	8	50	25	37*	35
locomotive	17	90	21	74	123	loosen	12	57	64	65	44
locust	7	57	14	48	12	loot	3	12	31	4	20
lode	1	5	3	8	4	lop	2	18	5	10	5
lodge (L)	48	340	93	233*	199	lope	1	6	7	5	4
lodger	1	16	3	6	7	lord (L)	AA	700	289	700*	M
lodging (n.)	13	57	48	71	66	lordly	5	28	16	36	17
loft	8	50	52	43	16	lordship	10	57	20	26	85
loftily	1	13	5	4	9	lore	4	18	28	19	12
lofty	19	147	37	73	99	Lorenzo	2	2	1	12	38
log	A	300	149	294*	190	Lorraine	2	12	20	1	14
Logan	4	5	64	2	4	lorry	5	2	3	96	1
logging	1	1	6	7	4	Los Angeles	6	14	86	4	10
logic	11	57	44	14	87	lose	AA	700	593	700*	570
logical	9	12	69	7	79	loser	2	18	13	5	13
logically	1	2	16	1	12	loss	AA	700	352	700*	589
logician	1	8	0	3	11	lost	AA	M	M	M*	M
loin	8	115	17	10	14	lot	AA	680	M	684*	366
Loire	1	12	3	2	7	Lot	2	20	6	16	3
Lois	9	16	150	0	3	loth	1	2	0	20	0
loiter	6	57	20	28	10	lotion	2	5	30	4	2
loll	2	12	11	9	9	lottery	4	11	35	10	19
Lombard	2	11	5	10	20	lotus (os)	2	28	3	11	10
Lombardy	1	8	0	8	12	loud	A	560	214	560*	270
London	AA	350	426	350*	M	loudly	22	140	106	140*	25
lone	22	235	38	100*	31	loudness	1	1	2	5	10
loneliness	11	28	115	41	16	loud-speaker	1	1	13	0	14
lonely	35	130	203	180	127	Louis	38	130	274	124	165
lonesome	11	90	69	32	20	Louisa	2	3	13	16	10*
long	AA	M	M	M	M	Louise	11	6	175	1	26*
longevity	2	11	4	10	14	Louisiana (n, ian)	9	18	84	28	47
Longfellow	7	57	4	33	40	Louisville	7	6	77	9	40
longing (n. adj.)	11	?	77	?	?	lounge	9	28	93	27	25
longingly	1	?	10	6	?	louse	1	5	11	6	2
Long Island	1	1	17	6	6	lousy	1	3	28	0	1
longitude	5	57	4	13	25	lout	1	7	3	12	10

Louvre to Lytton

	G	T	L	J	S		G	T	L	J	S
Louvre	1	8	1	13	9	luminous	8	57	34	14	44
lovable	3	14	31	13	8	lump	20	115	117	102	32
love	AA	M	M	M	M	lunacy	1	10	3	0	5
loveliness	8	18	72	10	52	lunar	2	11	0	4	28
lovely	A	390	802	390*	174	lunatic	5	50	18	9	15
lover	A	250	272	230*	188	lunch	39	160	470	15	68
loving (adj.)	12	?	101	?	10	luncheon	22	57	305	24	22
lovingly	3	15	20	14	11	lung	15	115	75	53	43
low	AA	M	M	M*	M	lunge	2	2	31	11	4
low-country	1	1	0	13	4	lurch	3	16	21	5	14
Lowell	7	28	53	15	43	lure	14	90	91	32	47
lower	AA	700	593	557*	380	lurid	2	10	13	7	11
lowland	10	90	10	29	58	lurk	15	130	41	58	42
lowly	6	57	16	15	26	luscious	3	28	21	8	9
loyal	22	120	91	84	104	lush	1	4	14	7	1
loyalist (L)	1	7	5	2	18	lust	8	115	10	8	26
loyally	1	10	13	6	6	luster (re)	22	115	24	214	49
loyalty	19	90	124	56	86	lustily	3	2	8	43	8
lubber	1	12	4	0	17	lustrous	3	16	18	14	6
lubricant	2	16	3	10	10	lusty	9	90	13	35	30
lubricate	2	14	18	7	15	lute	5	57	9	31	0
Lucca	2	0	0	0	40	Luther	8	50	74	8	25
lucerne (L)	1	3	1	16	1	Lutheran	2	14	2	9	12
Lucia	2	2	31	4	9	Luxemburg(ou)	1	4	1	1	18
Lucian	1	4	10	0	15	luxuriant	5	50	11	14	22
lucid	2	18	10	5	20	luxurious	9	47	54	19	42
Lucifer (l)	2	14	1	11	13	luxuriously	1	10	16	2	5
Lucius	1	6	8	1	14	luxury	39	200	189	178*	146
luck	46	210	312	210*	113	lyceum (L)	1	10	2	3	12
luckily	6	25	28	41	14	Lycurgus	1	7	0	0	26
luckless	3	28	7	14	6	Lydia	5	21	70	2	11
lucky	24	105	220	65	49	Lydian	1	7	2	0	10
lucrative	2	11	7	5	20	lye	1	10	8	6	9
lucre	1	16	0	1	1	lying	A	320	351	320*	?
Lucretius	1	11	0	0	14	lymph	2	28	9	0	4
Lucy	20?	90	266	14	7	lymphatic	1	12	1	0	6
ludicrous	3	18	12	11	19	lynch	5	11	13	7	62
Ludwig	1	5	7	8	15	Lynn	1	15	9	0	2
lug	2	10	21	7	1	lynx	7	12	5	109	11
luggage	10	57	86	42	11	Lyon	2	3	6	30	7
Luke	2	18	2	4	25*	Lyonnaise	1	3	0	19	0
lukewarm	3	16	30	4	7	Lyons	3	16	3	6	32
lull	11	130	23	25	28	lyre	6	57	6	49	12
lullaby	4	50	18	10	2	lyric	6	28	27	10	46
lumber (ing)	34	250	142	156*	76	lyrical	1	12	5	3	10
lumberman	2	14	5	16	10	Lysander	1	6	1	0	18
luminary	1	10	2	1	12	Lytton	1	2	10	0	6

ma to majestically

	G	T	L	J	S		G	T	L	J	S
ma	13	57	139	19	28	Maggie	7	0	129	4	2
ma'am	8	8	76	31	30	Maggiore	1	2	0	0	18
Mabel	5	57	41	3	2	maggot	3	50	5	14	1
Mac	3	1	57	0	4	magic	39	220	158	179*	158
macadam	1	7	1	1	16	magical	3	12	17	15	22
macaroni	2	10	32	3	4	magically	1	6	15	5	2
macaroon	1	12	17	0	0	magician	10	50	14	84	36
Macaulay	1	6	11	2	2	magistracy	1	10	0	1	18
Macbeth	3	11	21	4	28	magistrate	14	115	33	28	78
MacDonald	5	2	3	5	88	magnanimity	1	16	3	1	10
mace	3	50	6	4	7	magnanimous	1	18	6	5	6
Macedon	1	8	0	1	15	magnate	2	11	15	1	22
Macedonia	4	21	0	7	56	magnesia	1	10	3	6	1
Macedonian	1	7	0	6	16	magnesium	3	8	8	34	20
machination	1	12	0	2	5	magnet	9	57	14	46	52
machine	AA	370	501	370*	612	magnetic	8	50	20	20	68
machinery	A	160	184	65	601	magnetism	3	14	15	8	28
machinist	1	12	11	0	12	magneto	1	14	1	0	11
Mack	3	2	30	18	6	magnificence	7	57	55	22	33
Mackay	1	2	12	2	8	magnificent	37	186	144	186*	155
Mackenzie	2	7	5	1	36	magnificently	2	14	12	14*	10
mackerel	1	16	10	2	5	magnify	9	90	26	22	39
mackinaw	1	4	7	10	0	magnitude	7	28	24	19	63
Macon	2	0	5	3	38	magnolia	2	8	14	3	12
mad	A	321	400	321*	143	magpie	2	18	7	15	3
Madagascar	3	12	0	9	34	Magyar	1	14	0	0	12
madam	38	138	175	215	162	Mahammed	1	0	5	0	20
madame	19	22	219	37	69	mahogany	7	57	46	6	18
madden	4	18	38	10	11	Mahomet	2	12	0	0	41
madder	1	7	3	3	10	Mahometan	1	2	0	0	30
made	AA	M	M	M	M	maid	A	350	348	350*	127
Madeira	2	18	5	6	8	maiden	45	300	67	300*	149
mademoiselle	5	7	30	50	19	mail	A	450	413	347*	177
Madison	14	115	72	17	56	maim	5	57	10	18	13
madly	2	9	11	9	7	main	A	300	395	300*	630
madman	6	57	9	16	29	Maine	19	57	129	39	130
madness	12	115	37	34	46	mainland	8	50	24	36	42
Madonna	5	14	20	14	49	mainly	27	90	53	90	253
madras (M)	4	28	7	1	40	mainmast	1	4	0	12	7
Madrid	3	18	8	5	32	mainsail	1	7	6	13	6
madrigal	1	16	0	6	4	mainstay	1	5	8	3	10
maestro	2	1	0	42	0	maintain	26	260	264	260*	693
Maffia (Mafia)	1	1	0	1	26	maintenance	11	50	37	14	112
magazine	A	115	966	27	274	Maitland	2	2	28	0	6
Magdalen (m)	1	18	1	0	10	maize	3	14	10	18	25
Magdeburg	2	4	0	0	32	majestic	11	115	36	27	37
Magellan	1	12	3	16	2	majestically	2	7	21	17	2

majesty to mantelpiece

	G	T	L	J	S		G	T	L	J	S
majesty (M)	31	160	58	247	106	Manchuria	7	5	24	0	112
major	A	130	366	92	379	Manchurian	1	0	3	0	18
major general	3	0	1	4	50	mandarin (M)	1	8	0	1	18
majority	A	235	184	235*	477	mandate	5	16	13	7	66
make	AA	M	M	M	M	mandatory	1	1	0	0	17
make-believe	1	0	20	7	8	mandible	3	14	0	56	0
maker	27	200	94	125*	80	mane	10	90	15	70	13
makeshift	2	7	17	1	12	maneuver	3	16	44	0	1
make-up	9	5	137	7	13	manful	2	16	7	17	7
maladjustment	1	2	4	1	12	manganese	1	5	4	7	14
malady	6	50	23	7	29	manger	7	90	16	22	9
malaria	4	50	12	5	13	mangle	5	50	20	11	15
malarial	1	11	0	3	4	mango	1	10	2	2	19
Malay	3	12	33	7	16	Manhattan	9	90	35	3	42
Malcolm	3	3	50	0	18	manhood	13	90	33	43	79
malcontent	1	11	3	4	6	mania	2	8	17	6	8
male	34	160	148	144	165	maniac	1	10	10	3	9
malefactor	1	10	0	2	8	manicure	3	10	43	1	2
malevolent	1	10	7	0	4	manifest	17	109	45	61	108
malice	10	90	32	20	40	manifestation	5	18	21	4	60
malicious	6	43	29	22	20	manifestly	3	21	13	6	22
maliciously	2	14	7	11	7	manifesto	1	8	1	0	20
malign	2	18	7	5	7	manifold	6	90	6	9	29
malignant	4	28	12	16	21	manikin	1	4	11	8	2
malignity	1	14	0	1	4	manila (M)	6	18	40	23	35
mall	1	11	3	6	4	manipulate	3	12	22	8	20
mallard	1	5	13	3	5	manipulation	2	10	13	1	27
malleable	1	7	2	12	3	Manitoba	2	0	0	5	32
mallet	3	18	17	20	8	mankind	31	200	74	144*	157
Mallory	4	0	81	1	2	manlike	1	11	7	3	2
malt	4	18	37	2	18	manliness	1	10	3	5	6
Malta	1	12	1	0	16	manly	12	90	29	46	52
Malthus	2	0	0	0	36	Mann	2	3	11	4	24
mama	8	18	100	26	0	manna	1	16	3	2	7
mamma	28	240	101	130*	48	mannequin	1	1	18	0	0
mammal	6	50	6	35	21	manner	AA	700	713	700*	947
Mammon	1	18	0	0	5	mannerism	1	10	5	1	7
mammoth	3	18	18	18	17	manoeuvre	6	7	0	27	79
mammy	2	7	37	5	2	man-of-war	2	4	2	30	12
man	AA	M	M	M	M	manor	7	18	14	40	62
manage	A	245	592	245*	239	manse	1	7	10	2	4
management	27	90	189	33	182	manservant	1	3	13	0	4
manager	38	57	420	43	181	Mansfield	2	4	12	1	32
managerial	1	2	8	0	12	mansion	18	130	75	51	72
Manasseh	1	14	0	0	4	manslaughter	1	7	5	3	4
Manchester	10	14	12	7	158	mantel	4	12	57	7	8
Manchu	1	2	3	0	18	mantelpiece	1	6	18	6	3

mantle to mass

	G	T	L	J	S		G	T	L	J	S
mantle	19	160	20	108	60	market	AA	700	726	700*	988
manual	6	48	17	19	32	market place	4	18	3	28	32
Manuel	2	2	18	2	16	Markham	1	0	16	0	4
manufactory	2	12	3	8	11	marksman	1	7	10	8	4
manufacture	A	245	183	245*	623	marl	1	8	0	6	5
manufacturer	28	90	170	35	223	Marlborough	1	5	17	2	10
manure	8	57	22	45	24	marmalade	2	12	28	0	2
manuscript	12	57	54	17	94	marmot	2	3	3	24	11
many	AA	M	M	M	M	Marne	1	5	8	1	12
map	A	420	146	299*	331	maroon	2	10	20	4	10
maple	18	130	80	81	40	marquis	12	28	8	76	109
mar	11	90	44	19	45	marquise	1	2	12	0	7
maraschino	1	2	19	0	2	marriage	A	235	875	235*	328
Marathon (m)	2	7	7	5	34	married (adj.)	A	250	500	250*	62
marauder	2	16	4	15	6	marrow	5	57	11	14	10
marauding	1	7	1	4	10	marry	AA	320	M	320*	438
marble	38	300	92	174*	130	Mars	15	50	8	115	107
Marc	6	2	114	0	6	Marseilles	1	16	10	3	6
marcel	1	7	9	6	6	marsh	16	90	37	99	66
march	AA	700	587	700*	954	marshal	18	90	43	86	105
March	A	412	345	412*	558	Marshall	5	0	58	13	32
Marcia	7	3	123	0	2	marshmallow	1	4	26	0	2
Marco	2	7	7	10	28	marshy	2	16	5	18	8
Marcus	4	16	36	2	32	mart	5	28	48	0	16
Marcy	2	2	43	0	4	marten	2	3	2	32	10
mare	14	115	58	56	39	martial	6	50	16	9	49
Margaret	33	130	304	65	103	Martial	1	7	0	0	28
marge	1	12	16	2	2	Martian	1	1	0	1	27
Margery	6	90	22	2	2	martin	1	1	20*	5	0
margin	19	90	71	38	144	Martin	34	90	381	77	72
marginal	8	12	7	1	133	martyr	10	90	17	23	50
Margot	1	2	12	1	12	martyrdom	4	50	4	3	23
marguerite (M)	1	3	10	3	8	marvel	25	130	87	106	129
Maria	7	57	28	6	52	marvelous (II)	33	134	162	170	131
Marian	9	14	124	26	6	marvelously	6	26	18	28	44
Marie	13	28	108	34	68	Marx	2	1	12	0	26
Marietta	1	2	4	21	6	Mary	AA	430	M	430*	297
marigold	3	50	10	4	2	Maryland	16	90	55	44	118
marinate	1	1	26	0	0	masculine	8	90	54	4	14
marine	17	57	50	17	192	mash	9	57	81	13	16
mariner	10	90	12	31	49	mask	17	115	92	32	74
Marion	16	90	136	3	70	mason (M)	14	90	59	58	58
marital	1	5	15	0	5	Masonic	1	11	6	0	1
maritime	6	50	4	11	50	masonry (M)	4	28	11	17	18
mark	AA	M	404	?	M	masque	2	14	7	15	7
Mark	A	?	?	?	800	masquerade	5	57	22	7	13
marker	2	12	26	0	6	mass (M)	A	340	323	340*	587

Mass. to mechanical

	G	T	L	J	S		G	T	L	J	S
Mass.	1	4	14	1	2	mauve	1	5	18	2	5
Massachusetts	37	115	89	78	392	maw	1	16	5	4	4
massacre	9	50	15	24	82	Max	4	18	42	4	24
massage	3	14	26	7	5	maxim (M)	15	57	15	20	184
massive	11	57	38	62	48	Maximilian	4	12	5	21	40
massy	3	57	1	2	5	maximum	13	28	43	7	172
mast	26	200	28	200*	55	may (M)	AA	M	M	M	M
master	AA	700	376	700*	720	maybe	A	130	928	101	114
masterful	3	14	23	8	9	May Day	1	0	0	15	4
masterly	2	3	8	15	19	mayflower (M)	2	18	9	9	12
masterpiece	8	57	31	19	50	mayhap	5	1	1	90	2
mastery	4	18	14	16	33	Mayo	2	2	36	0	8
masthead	1	5	1	8	5	mayonnaise	5	7	89	0	0
mastiff	1	12	6	6	5	mayor	37	200	74	171*	238
mastodon	1	7	4	6	1	Maypole (m)	1	7	18	6	1
mat	18	160	62	63	44	mayst	9	57	0	61	51*
match	A	360	470	360*	230	maze	6	57	22	17	17
matchless	7	57	44	25	13	McCarthy	1	5	16	0	8
mate	48	250	248	250*	121	McClellan	4	2	0	53	30
mater	1	4	7	3	6	McCormick	6	2	14	41	52
material	AA	376	665	376*	834	McDonald	1	4	23	6	0
materialism	1	7	7	0	16	McKinley	4	12	22	2	36
materialistic	1	5	2	0	11	M.D.	1	5	21	1	1
materialize	1	6	23	0	4	me	AA	M	M	M	M
materially	7	24	28	24*	62	mead (M)	10	90	9	76	19
maternal	6	50	39	15	12	Meade	2	0	27	1	10
maternity	2	10	30	1	6	meadow	47	390	70	262*	135
mathematical	5	16	18	12	60	meager (gre)	8	57	39	14	44
mathematician	2	10	2	12	27	meal	A	400	609	400*	181
mathematics	8	57	30	24	47	mealtime	1	4	15	8	2
Matilda	5	18	41	25	20	mean	AA	M	M	M	M
matinée (ee)	2	11	28	0	8	meander	1	14	3	6	8
matins	2	16	0	4	21	meaning	A	?	218	?	300*
matrimonial	2	16	14	5	5	meaningless	3	4	27	6	20
matrimony	3	16	31	3	17	meanness	1	10	12	3	7
matron	9	57	71	27	15	meant	A	310	900	310*	?
Matt	10	2	183	0	6	meantime	32	115	108	185	182
matter	AA	M	M	M	M	meanwhile	42	115	139	208	294
matter-of-fact	3	3	23	6	39	measles	3	18	18	5	14
Matthew	8	50	35	8	58	measurable	1	8	5	0	7
mattock	1	16	0	5	2	measure	AA	M	184	530*	876
mattress	10	57	88	20	19	measureless	1	5	0	5	8
mature	17	130	91	21	75	measurement	11	90	42	21	59
maturity	6	28	40	13	36	meat	AA	700	489	482*	264
Maud (e)	9	90	62	9	18	Mecca	4	16	13	4	53
maul	2	28	9	7	4	mechanic (s)	16	130	84	31	55
mausoleum (M)	1	12	3	3	2	mechanical	20	45	93	39	184

mechanically to meritorious

	G	T	L	J	S		G	T	L	J	S
mechanically	5	12	52	13	18	membership	13	57	63	9	107
mechanism	9	50	40	23	57	membrane	6	57	11	13	37
mechanize	1	4	15	0	2	memento	1	8	3	1	6
medal	13	90	60	25	67	memoir	5	11	10	1	71
medallion	1	10	10	7	5	memorable	10	50	24	48	67
meddle	10	90	20	45	31	memorandum	3	12	24	2	30
meddlesome	1	2	6	8	4	memorial	15	130	24	20	101
Mede	1	16	0	3	5	memorize	4	57	20	0	10
Medea	1	14	2	1	14	memory	A	380	556	380*	420
median	2	12	2	1	26	Memphis	6	7	35	12	62
mediation	1	11	0	0	10	men	AA	M	M	M	M
mediator	1	18	0	0	5	menace	21	50	124	37	190
medical	30	90	203	21	230	menagerie	3	12	1	32	9
Medici	2	3	1	18	28	mend	26	220	74	119*	62
medicinal	2	14	0	4	24	Mendel	1	6	15	0	2
medicine	46	245	167	208*	211	Mendelssohn	3	3	4	54	6
medieval	9	16	31	13	110	mender	3	8	1	43	2
Medina	1	2	1	2	20	mendicant	1	11	2	1	9
mediocre	1	8	13	0	13	menial	2	14	8	4	14
mediocrity	1	8	4	0	16	mental	41	57	379	40	274
meditate	9	90	21	27	39	mentality	2	8	24	1	18
meditation	8	57	21	19	48	mention	AA	380	521	380*	603
meditative	2	28	8	9	8	mentor	1	3	12	9	4
Mediterranean	15	56	31	61	136	menu	13	12	216	5	16
medium	23	115	119	19	161	mercantile	2	14	10	4	23
medium-sized	1	3	18	0	0	mercenary	5	50	10	8	23
medley	2	14	5	11	12	mercer	1	8	2	6	1
medusa (M)	3	5	0	31	29	mercerize	2	12	7	0	22
meed	1	18	0	2	6	merchandise	14	131	48	18	65
meek	7	65	23	18	29	merchant	A	340	118	246*	286
meekly	7	65	23	44	8	merciful	5	42	13	23	19
meekness	3	57	1	8	4	mercifully	2	15	10	11	0
meet	AA	M	874	M*	800*	merciless	5	42	24	11	23
meeting	AA	?	582	?	531*	mercilessly	2	15	13	7	2
Meg	8	57	66	33	0	mercurial	1	10	0	1	10
megaphone	1	4	12	5	3	mercury (M)	21	90	39	140	112
melancholy	16	90	46	44	112	mercy	45	300	148	203*	161
Melchior	1	2	5	5	10	mere	A	126	306	126*	419
melee (mêlée)	1	8	4	5	14	Meredith	2	0	33	0	16
mellow	11	90	23	31	53	merely	A	224	664	224*	607
melodious	3	28	6	11	11	merge	6	28	28	7	48
melodrama	1	7	15	0	6	merger	3	4	18	0	38
melody	15	115	42	61	64	meridian	5	57	3	13	30
melon	5	57	18	14	10	meringue	1	2	33	0	0
melt	A	400	258	280*	183	merino	1	16	7	0	1
Melville	1	0	14	6	6	merit	38	240	85	172*	191
member	AA	700	666	700*	M	meritorious	1	10	0	3	9

Merlin to migrate

	G	T	L	J	S		G	T	L	J	S
Merlin	28	57	0	133	330	Metz	1	2	2	1	18
mermaid	2	28	3	12	6	mew	8	130	5	16	5
Merrimac	2	7	10	8	10	Mexican	25	57	113	46	235
merrily	10	67	26	67*	32	Mexico	33	130	100	91	290
merriment	6	28	20	42	26	mi.	3	57	0	0	0
merry	A	383	94	383*	202	Miami	5	3	41	1	50
merry-go-round	3	0	21	40	0	mica	4	16	2	55	15
merrymaking	1	0	7	21	7	mice	13	130	17	73	20*
mesa	1	1	13	4	14	Michael	12	57	20	28	127
mesh	6	50	34	30	9	Michaelmas	1	11	0	5	4
Mesopotamia	3	18	1	14	30	Michelangelo	2	0	0	11	34
Mesozoic	1	2	0	2	18	Michigan	20	57	106	30	184
mess	17	90	133	22	54	mickle	2	6	1	35	6
message	A	330	286	330*	276	microbe	1	14	11	2	1
Messene	1	0	0	23	0	microphone	4	3	26	21	33
messenger	30	200	57	200*	99	microscope	9	57	29	32	47
Messiah	2	14	1	9	15	microscopic	4	50	12	7	12
messieurs	3	0	0	8	48	mid	11	130	0	9	60
Messrs.	1	16	9	3	0	mid-air	1	0	9	9	0
met	AA	700	625	700*	571*	Midas	2	14	0	22	8
metabolism	1	10	2	0	13	midday	8	50	24	36	34
metal	A	270	170	270*	476	middle	AA	700	442	542*	484
metallic	10	50	23	70	42	middle-aged	5	2	77	7	17
metalloid	1	1	0	22	0	middle-class	3	1	13	1	56
metallurgical	1	2	1	0	18	middleman	2	6	9	1	35
metamorphose	1	12	2	7	4	Middlesex	1	7	2	1	10
metamorphosis	4	50	6	15	13	Middleton	2	11	5	1	22
metaphor	1	18	3	2	8	Middletown	2	0	33	1	14
metaphysical	1	10	2	0	12	middy (ie)	11?	14	187	0	0
mete	1	16	4	10	2	midge	1	8	2	7	3
meteor	10	57	3	52	80	midget	2	4	28	8	3
meteoric	3	4	4	3	48	midland (M)	2	8	2	9	30
meteorite	2	3	3	10	28	midnight	A	350	211	228*	113
meteorological	1	8	3	0	22	midshipman	1	4	7	8	16
meter (re)	12	130	24	34	28	midst	44	240	113	240*	211
methinks	11	90	1	82	29	midstream	1	3	9	9	5
method	AA	200	620	600*	981	midsummer	8	57	33	46	16
methodical	2	12	10	13	9	midway	7	57	19	33	25
Methodist	7	14	19	5	95	midwife	1	16	6	3	4
methought	5	57	1	31	20*	midwinter	3	14	12	21	10
methylene	1	0	0	0	18	mien	4	57	3	18	10
meticulous	1	3	23	0	5	Miffin	2	2	5	1	34
metric	1	14	4	0	13	might	AA	M	M	M	M
metropolis	8	57	22	11	62	mightily	2	3	9	17	16
metropolitan	9	18	68	8	78	mighty	A	450	241	370*	291
Metternich	1	3	6	0	10	mignonette	1	16	6	2	0
mettle	2	18	6	17	11	migrate	6	57	22	18	25

migration to mischance

	G	T	L	J	S		G	T	L	J	S
migration	7	28	6	28	65	mine	AA	M	M	?	804
migratory	1	16	5	8	6	miner	27	57	94	197	147
mil	1	1	20	0	2	mineral	38	115	48	374	148
Milan	7	28	16	10	80	Minerva	6	16	30	49	23
mild	32	195	150	134*	113	mingle	27	160	72	121	148
mildew	3	50	12	0	0	miniature	12	50	86	32	56
mildly	9	55	63	37	12	minimize	3	10	24	0	31
mildness	1	16	2	2	4	minimum	13	50	86	6	107
Mildred	2	12	35	0	2	mining (n.)	17	?	166	?	?
mile	AA	M	M	M*	820	minion	2	28	2	10	2
mileage	3	14	9	2	36	minister	A	300	228	300*	597
milestone	1	8	7	5	12	ministerial	1	10	8	1	16
Miletus	1	6	0	0	12	ministration	1	16	15	1	0
militant	3	11	19	3	23	ministry	11	57	25	11	110
militarism	3	1	4	4	48	mink	5	14	27	54	11
militarist	2	1	1	0	34	Minn.	1	0	5	0	14
military	A	220	178	220*	823	Minneapolis	6	14	36	2	56
militia	15	57	14	33	177	Minnesota	12	57	46	20	98
milk	AA	M	663	?	318	Minnie	8	3	135	5	4
milkmaid	3	28	3	46	6	minnow	3	28	2	25	6
milkman	1	8	9	1	8	minor	19	50	83	45	177
milkweed	1	12	1	0	11	minority	10	50	48	11	85
milk-white	1	11	1	2	10	Minos	1	1	0	21	6
milky	5	57	11	14	21	minster	2	28	3	5	0
mill	A	700	253	406*	265	minstrel	10	57	20	80	29
millennium	1	10	7	1	5	minstrelsy	1	14	1	4	9
millers	8	50	27	45	23	mint	13	57	82	17	89
Miller	12	80	41	73	38	minuet	1	16	5	6	5
millet	2	16	8	12	7	minus	2	18	14	3	9
milligram (mme)	1	3	21	0	2	minute	AA	700	M	700*	780
millimeter (tre)	1	5	0	8	8	minutely	2	10	13	10*	7
milliner	1	8	9	3	6	miracle	24	130	152	82	76
millinery	1	18	8	1	4	miraculous	5	35	33	9	24
million	AA	380	598	380*	820	miraculously	2	15	25	3	2
millionaire	14	57	122	7	82	mirage	1	8	8	3	15
millstone	5	57	7	26	14	mire	7	90	14	8	15
Milton	9	57	35	8	64	Miriam	1	14	4	1	2
Milwaukee	13	14	124	3	94	mirror	46	200	356	200*	83
mimic	3	28	12	5	17	mirth	16	160	22	48	59
mimicry	1	10	4	3	2	mirthful	2	28	3	3	3
mimosa	1	5	6	1	6	misadventure	1	8	3	9	8
min.	1	14	8	0	4	misapplied	1	8	1	0	0
mince	9	57	75	20	16	misapprehension	1	11	3	0	12
mincemeat	1	1	17	0	0	miscall	1	8	1	6	3
mind	AA	M	M	M	M	miscellaneous	6	28	19	7	66
minded	5	0	45	?	?	miscellany	1	14	3	0	9
mindful	4	57	5	15	9	mischance	2	18	1	15	3

mischief to moist

	G	T	L	J	S		G	T	L	J	S
mischief	20	160	20	129	55	misuse	4	50	8	6	15
mischievous	6	49	11	44	19	Mitchell	10	28	80	9	66
mischievously	1	8	12	2	1	mite	2	18	25	9	9
misconception	1	7	9	1	18	miter (re)	3	57	2	10	0
misconduct	1	11	2	0	7	Mithridates	1	14	0	6	0
miscreant	2	12	9	6	9	mitigate	2	28	10	1	13
misdeed	1	11	2	5	6	mitt	1	8	8	0	2
misdeemeanor	1	14	3	3	10	mitten	9	90	31	8	36
miser	4	57	2	5	11	mix	A	400	339	277*	154
miserable	27	120	189	114	69	mixer	1	12	12	1	1
miserably	5	10	62	9	9	mixture	39	130	374	78	131
misery	26	160	118	86	118	Mme.	1	2	18	0	0
misfortune	18	90	45	97	100	Moab	1	12	2	0	8
misgiving	5	28	27	19	18	moan	20	130	116	70	58
misguided	1	8	7	3	9	moat	7	50	9	47	20
mishap	5	57	9	26	18	mob	20	90	83	70	131
misjudge	1	3	9	6	2	mobile	2	10	16	6	7
mislead	1	8	0	0	10	Mobile	2	2	15	4	18
misleading	3	21	9	11	14	mobility	2	10	11	2	16
misled	2	21	8	11	13	mobilization	2	2	3	0	31
mismanagement	1	7	3	10	2	mobilize	1	6	10	1	14
misnomer	1	8	1	19	3	moccasin	4	57	15	12	12
misplace	1	11	10	6	2	mock	31	250	102	140*	68
misrepresentation	1	10	7	0	8	mockery	1	16	6	0	2
misrule	1	10	2	4	12	mockery	5	57	15	12	17
miss (M)	AA	M	M	M*	M	mockingly	1	?	5	8	?
misshape (en)	1	16	0	10	5	mode	23	160	83	33	132
missile	2	12	0	21	7	model	A	250	244	250*	192
missing (adj.)	30*	?	?	?	?	moderate	29	164	109	123	141
mission	22	90	77	19	216	moderately	6	36	36	27	19
missionary	18	57	66	60	154	moderation	7	57	13	13	53
Mississippi	39	160	122	138	290	modern	AA	250	788	250*	908
missive	1	11	4	1	2	modernist	1	1	10	0	7
Missouri	22	88	74	78	160	modernistic	1	0	22	0	0
mist	29	230	87	131*	77	modernize	3	10	33	0	17
mistake	A	350	404	350*	309	modest	29	165	103	165*	96
mistaken (adj.)	15	?	104	?	21	modestly	6	35	22	35	21
Mister (m)	9	57	76	10	28	modesty	7	57	22	13	43
mistletoe	1	11	4	14	5	modification	7	14	16	10	101
mistook	1	11	6	8	?	modify	13	28	42	26	147
mistress (M)	34	270	97	153*	93	modulus	1	2	0	0	16
mistrust	5	57	9	16	13	Mogul (m)	1	12	2	4	4
misty	9	57	38	45	27	mohair	1	16	10	0	1
misunderstand	4	19	32	11	16*	Mohammed	2	8	2	9	20
misunderstanding						Mohammedan	2	18	5	6	20
(n.)	4	19	23	0	35	Mohawk	2	7	0	10	21
misunderstood	3	19	23	5	16*	moist	19	130	70	82	66

moisten to more

	G	T	L	J	S		G	T	L	J	S
moisten	10	57	44	69	20	monopoly	13	57	48	8	135
moisture	21	115	66	53	134	monotonous	8	50	60	18	31
molar	1	11	11	0	8	monotony	4	18	32	10	28
molasses	7	50	45	16	26	monoxide	1	7	3	0	11
mold	22	50	206	91	65	Monroe	10	57	35	5	92
Moldavia (n)	1	2	0	0	20	Monsieur	21	28	171	148	47
moldboard	1	3	0	18	0	monsoon	1	6	2	3	11
molder	1	1	9	8	2	monster	20	115	66	122	70
mole	14	90	8	113	56	monstrous	13	130	27	47	41
molecule	3	14	2	14	26	Montaigne	1	7	2	2	22
molest	5	57	7	22	10	Montana	8	28	40	19	68
molestation	1	11	2	5	10	Monte	4	5	20	12	40
Molière	1	5	2	1	20	Montenegro	1	8	0	0	12
mollify	1	11	8	2	9	Monterey	1	1	9	4	12
mollusc	1	1	0	14	6	Montgomery	6	0	47	13	56
mollusk	1	5	0	5	8	month	AA	M	M	M*	M
Molly	17	57	231	14	6	monthly	18	57	133	11	123
molten	8	57	12	44	?	Montreal	6	28	15	12	66
moment	AA	700	M	700*	M	monument	33	220	28	149*	200
momentarily	3	1	42	9	12	monumental	4	50	11	1	25
momentary	7	57	24	14	31	mood	27	130	194	65	103
momentous	3	14	18	15	19	moodily	1	5	21	2	5
momentum	2	10	13	2	21	moody	4	13	44	12	5
Mommsen	1	3	0	0	16	moon	AA	700	285	464*	406
Mona	3	6	49	0	2	moonbeam	2	16	5	10	12
monarch	20	160	24	66	113	moonlight	27	115	150	145	81
monarchist	1	2	0	0	19	moonlit	4	14	52	13	2
monarchy	8	57	21	11	72	moonshine	3	18	20	3	15
monastery	10	50	23	42	80	moor	17	110	47	97	52
monastic	4	50	0	0	22	Moor	1	20	0	2	2
Monday	40	330	176	181*	38	Moore	6	14	38	8	50
Monet	1	0	0	0	24	moorings	3	20*	6	22*	11
monetary	4	7	13	0	69	Moorish	2	14	3	8	15
money	AA	M	M	M	M	moorland	1	16	1	10	7
Mongol	2	4	3	0	37	moose	8	18	8	109	17
Mongolian	1	11	7	4	7	moot	1	16	1	2	8
mongrel	2	11	12	9	6	mop	5	18	65	12	13
monitor (M)	4	14	8	22	29	mope	2	16	13	9	3
monk	20	90	43	145	87	moral	A	222	272	222*	431
monkey	23	130	64	86	135	morale	3	6	25	1	30
monkish	1	12	1	5	1	moralist	1	14	3	0	10
Monmouth	5	28	1	48	14	morality	7	50	18	9	63
monocle	1	0	12	4	3	moralize	1	16	2	3	13
monogram	3	11	52	1	5	morally	3	13	15	13*	25
monolog (ue)	1	7	10	0	2	morass	2	16	4	11	19
monopolist	1	6	1	0	13	morbid	3	18	30	5	17
monopolize	2	5	15	2	18	more	AA	M	M	M	M

moreover to mug

	G	T	L	J	S		G	T	L	J	S
moreover	36	160	153	14	322	motor	A	130	44*	32	455
Morgan	18	12	78	18	250	motorboat	1	10	17	0	2
morgue	2	7	32	2	1	motorcar	6	4	34	5	79
Morley	1	2	1	5	18	motorcycle	2	16	23	2	2
Mormon	2	18	6	10	19	motorist	7	11	53	0	63
morn	15	130	0	41	114	motorman	1	11	2	0	6
morning	AA	M	M	M*	832	mottle	2	14	9	16	8
Morocco (m)	3	14	9	5	37	motto	8	57	27	20	42
morose	3	11	31	3	15	mould (ing)	13	130	8	30	67
morphine	1	12	9	0	12	moulder	2	28	0	6	3
Morris (m)	15	50	71	50	105	mouldy	2	28	2	5	6
morrow	7	115	37	44	30	mound	17	115	42	93	63
Morse	7	16	17	54	54	mount	AA	700	284	545*	389
morsel	8	57	23	64	17	mountain	AA	M	283	?	M
mortal	35	265	54	195*	132	mountaineer	6	50	24	24	21
mortality	8	57	15	3	73	mountainous	8	90	5	19	46
mortally	2	15	5	11	6	mourn (ing)	28	245	48	126*	86
mortar	8	50	15	59	29	mourner	4	57	8	6	11
mortgage	18	57	195	6	71	mournful	8	72	13	23	34
mortification	2	18	6	7	14	mournfully	2	18	8	8	14
mortify	5	50	10	24	17	mouse	34	330	48	193*	55
Mortimer	1	2	20	4	0	moustache	1	0	0	7	18
Morton	10?	6	149	2	38	mouth	AA	700	699	700*	505
mosaic	3	28	8	5	26	mouthful	7	14	32	73	22
Mosaic	1	1	0	17	9	mouthpiece	2	10	15	12	16
Moscow	15	18	64	11	184	movable	5	57	1	13	24
Moses	12	90	31	23	72	move	AA	M	M	M	M
Moslem	4	14	15	0	45	movement	AA	220	343	520*	993
mosque	2	11	9	7	21	mover	1	14	3	5	7
mosquito	8	50	34	36	39	movie	29	10	285	4	135
moss	22	160	64	128	46	mow (ing)	6	57	23	21	24
mossy	5	57	7	23	9	mower	3?	57	7	5	1
most	AA	M	M	M	M	Mozart	4	3	8	12	52
mostly	32	?	180	?	115	Mr.	AA	?	M	M*	M
mote	2	16	3	5	18	Mrs.	AA	?	M	?	959
moth	9	90	24	34	16	Ms., MS., ms.	3	3	0	0	55
mother	AA	M	M	M	M	much	AA	M	M	M	M
motherhood	2	5	38	1	9	muck	5	57	17	11	5
mother-in-law	3	2	53	6	6	mucous	1	18	2	3	7
motherless	1	3	13	7	2	mud	47	290	153	290*	123
motherly	3	14	23	11	7	muddle	2	16	16	4	5
motif	3	10	41	0	7	muddy	11	57	48	66	32
motion	A	245	301	245*	331	muff	5	57	16	15	14
motionless	15	57	78	100	42	muffin	7	28	95	2	2
motion picture	5	0	21	0	71	muffle	8	50	47	33	20
motive	26	160	119	27	168	muffler	1	16	5	7	4
motley	3	28	13	10	18	mug	5	57	12	12	19

Muir to nag

	G	T	L	J	S		G	T	L	J	S
Muir	2	5	4	29	0	muskrat	7	14	0	56	58
Mukden	1	0	0	0	20	muslin	7	57	36	6	11
mulberry	5	57	11	16	7	muss	1	2	26	0	1
mulch	1	12	18	0	0	mussel	3	10	8	48	3
mule	29	130	155	148	90	Mussolini	6	0	37	0	86
mull	1	14	6	1	1	Mussulman	1	12	0	13	7
Muller	1	6	8	4	14	must	AA	M	M	M	M
multiple	3	18	3	0	36	mustache	7	18	75	33	0
multiplication	5	57	9	10	18	mustachio	1	5	0	3	12
multiplicity	1	10	9	2	11	mustard	7	57	51	6	14
multiply	24	200	45	108*	80	muster	9	57	41	36	29
multitude	24	160	54	93	127	musty	2	16	12	5	3
multitudinous	2	12	5	10	15	mutation	1	18	8	0	2
mum	2	12	14	7	9	mute	11	113	53	12	29
mumble	9	50	77	27	13	mutely	1	17	7	2	6
mummy	5	28	33	12	32	mutilate	3	28	8	13	13
mumps	1	8	8	2	1	mutilation	1	8	2	6	11
munch	4	18	29	21	14	mutineer	2	12	6	4	24
mundane	1	10	6	0	4	mutinous	1	18	3	6	6
Munich	6	28	17	5	62	mutiny	6	57	12	12	37
municipal	14	18	65	17	159	mutter	29	115	181	147	95
municipality	4	8	12	6	54	mutton	10	90	22	53	21
munificent	1	11	5	1	4	mutual	17	98	70	31	122
munition	4	18	12	2	41	mutually	3	17	12	4	24
Munro (oe)	2	5	4	0	34	muzzle	9	90	24	33	18
mural	3	28	21	0	12	my	AA	M	M	M	M
murder	A	240	397	240*	306	mynheer (M)	1	4*	0	26	4
murderer	17	90	119	39	71	Myra	5	2	87	0	4
murderess	1	3	13	7	6	myriad	8	57	26	23	46
murderous	6	50	32	15	23	myrmidon (M)	1	8	0	15	6
murky	1	10	6	9	8	myrrh	1	16	0	0	5
murmur	A	330	348	330*	145	myrtle	6	57	27	8	17
Murray	3	7	30	2	32	myself	AA	700	M	700*	607
Murphy	1	2	10	0	22	mysterious	29	101	158	131	149
muscle	35	57	196	145	233	mysteriously	4	14	31	16	16
muscular	10	57	29	15	86	mystery	42	210	193	193*	176
muse	20	160	68	73	72	mystic	4	4	21	15	44
museum	38	130	210	80	278	mystical	3	18	9	0	29
mush	2	11	21	4	5	mysticism	2	8	5	0	29
mushroom	10	50	94	30	12	mystify	2	8	20	6	5
music	AA	700	660	660*	620	myth	8	14	22	64	61
musical	39	191	148	191*	182	mythical	2	5	9	9	16
musically	1	9	10	9*	6	mythological	1	10	0	4	8
musician	18	115	72	68	67	mythology	3	18	7	7	22
musk	3	28	15	10	11						
musket	8	50	8	47	48						
musketry	1	10	0	5	13	nag	5	12	55	27	11

naïad to necessarily

	G	T	L	J	S		G	T	L	J	S
naïad (N)	1	14	2	14	4	nationalistic	1	3	3	0	20
nail	A	370	171	246*	121	nationality	8	50	13	13	62
naïve (naive)	2	6	29	1	14	nationally	2	5	31	5	10
naked	31	220	68	140*	132	nation-wide	1	1	20	0	0
nakedness	1	7	8	7	13	native	AA	400	287	400*	740
name	AA	M	M	M	M	native-born	1	3	2	1	21
nameless	5	57	15	17	17	nativity (N)	3	50	3	2	6
namely	16	90	31	50	119	natural	AA	700	599	640*	680
namesake	2	14	10	14	4	naturalist	9	50	7	76	41
Nan	6	16	85	20	0	naturalization	2	8	4	4	30
Nancy	15	6	240	12	24	naturalize	2	14	4	6	22
Nanking	1	0	0	0	22	naturally	A	?	454	?	344
Nansen	1	2	1	9	20	nature	AA	700	649	700*	M
Nantucket	1	2	7	15	10	naught	12	57	10	91	64
Naomi	2	4	42	0	2	naughty	13	115	49	49	22
nap	15	115	92	44	28	nausea	2	10	15	3	8
nape	2	10	14	9	6	nauseate	1	5	17	2	5
naphtha	1	11	0	1	7	nautical	2	14	3	12	18
napkin	16	160	79	39	15	nautilus	1	18	1	0	4
Naples	6	18	11	36	56	Navaho (ajo)	2	2	46	1	1
Napoleon (n)	19	50	36	137	123	naval	28	57	46	69	337
Napoleonic	1	10	7	3	12	nave	2	18	0	9	20
narcissus (N)	3	14	6	32	4	navigable	4	57	2	8	22
narcotic	5	50	12	1	34	navigate	2	18	13	9	11
Narragansett	1	7	1	7	7	navigation	10	57	13	37	89
narrate	1	14	1	11	6	navigator	6	50	3	44	21
narration	1	4	2	7	7	navy	49	200	157	200*	342
narrative	11	57	25	30	97	Naxos	1	0	2	7	10
narrow	AA	668	391	468*	380	nay	43	130	5	435	205
narrowly	5	32	12	22	25	Nazareth	1	16	5	6	8
narrowness	1	7	7	5	4	Nazi	3	0	57	0	6
nasal	3	28	26	4	9	Neanderthal	1	2	10	0	18
Nashville	3	7	9	6	48	Neapolitan	2	4	5	13	14
Nassau	3	11	14	4	36	near	AA	M	M	M	M
nasturtium	1	12	5	0	3	near-by	12	16	106	56	53
nasty	7	18	68	29	24	nearly	AA	?	772	?	974
Nat	4?	57	13	7	0	nearness	3	16	25	7	12
natal	1	8	4	4	2	neat	29	165	157	165*	49
Natal	2	8	0	0	38	neatly	14	70	103	70*	18
Natalie	2	2	49	0	0	neatness	2	11	20	7	7
Nathan	2	28	5	6	0	Nebr. (Neb.)	2	2	0	0	40
Nathanael (iel)	4	28	32	4	20	Nebraska	4	14	31	10	30
natheless (nath)	1	4	0	23	0	Nebuchadnezzar	1	12	1	1	18
nation	AA	700	530	700*	M	nebula	6	8	0	18	93
national	AA	300	660	300*	M	nebular	1	2	1	1	16
nationalism	2	5	11	0	32	nebulous	1	8	7	2	15
nationalist	4	3	2	0	67	necessarily	15	12	104	13	153

necessary to Newton

	G	T	L	J	S		G	T	L	J	S
necessary	AA	700	715	700*	M	nervous	36	94	348	83	126
necessitate	6	50	20	6	41	nervously	8	21	81	30	15
necessity	A	235	261	235*	482	nervousness	3	14	32	5	7
neck	AA	700	469	700*	312	nest	A	700	113	700*	128
necklace	9	57	64	25	20	nester	1	0	32	0	0
necktie	6	57	51	9	5	nestle	6	57	16	31	10
nectar	2	12	4	10	15	nestling	1	8	6	12	3
Ned	15	115	132	22	2	Nestor	1	12	0	19	0
need	AA	M	M	M	M	net	A	310	168	310*	176
needful	8	90	14	28	18	nether	4	57	2	9	12
needle	34	280	88	153*	91	Netherlands	9	90	3	34	38
needless	11	81	48	38	38	nettle	5	50	9	21	11
needlessly	1	9	6	4	4	network	7	50	17	27	42
needlewoman	1	14	1	4	4	neurotic	2	4	38	0	5
needlework	3	50	8	12	1	neuter	1	14	0	8	1
needn't	6	4	105	9	0	neutral	10	50	47	9	79
needy	5	50	20	13	13	neutrality	2	16	1	3	23
ne'er	7	90	1	18	33	neutralize	4	50	5	4	16
nefarious	1	6	1	2	12	Nevada	10	16	35	16	130
negation	1	16	3	0	6	never	AA	M	M	M	M
negative	10	57	28	5	98	nevermore	2	6	0	9	28
neglect	49	270	192	221*	200	nevertheless	A	130	241	227	302
negligee	2	4	41	0	2	Neville	5	3	82	3	2
negligence	3	28	21	3	13	new	AA	M	M	M	M
negligent	1	9	6	5	8	Newark	6	28	18	5	60
negligently	1	7	7	2	6	newborn	3	18	12	18	10
negligible	4	7	32	3	32	Newcastle	2	4	5	6	24
negotiate	6	50	23	1	51	newcomer	10	50	52	59	36
negotiation	12	57	20	12	138	New England	18	8	95	40	104
Negro (n.)	47	230	174	230*	225	New Englander	1	2	0	5	16
Negroid (n.)	1	4	0	0	18	newfangled	1	8	13	4	5
neigh	6	90	1	20	6	new-found	1	0	11	4	7
neighbor	AA	574	371	574*	338	Newfoundland	6	57	3	22	28
neighborhood	48	240	140	240*	246	New Hampshire	2	2	19	9	8
neighboring	41	126	35	126*	152	New Haven	4	4	17	8	48
neighborly	1	1	15	13	3	New Jersey	6	12	52	27	24
neither	AA	700	591	700*	733	newly	18	?	73	?	101
Nell	12	90	78	55	2	Newman	2	3	25	1	16
Nellie	6	7	63	36	10	New Mexico	3	6	25	21	6
Nelly	1	14	0	5	0	New Orleans	10	6	98	48	28
Nelson	4	11	19	5	38	Newport	4	18	24	4	32
nemesis (N)	1	10	3	2	4	news	AA	400	695	400*	M
nephew	22	130	85	113	81	newsboy	1	4	19	1	0
Neptune	8	16	2	80	48	newspaper	AA	260	610	260*	745
Nero	2	14	7	3	20	newsreel	1	0	30	0	0
nerve	36	130	296	77	147	newt	1	11	14	1	1
nerveless	1	3	17	2	5	Newton	7	13	20	15	86

new-world to noonday

	G	T	L	J	S		G	T	L	J	S
new-world	1	0	2	18	0	N.J.	1	6	12	0	6
New York	AA	700	M	700*	M	no	AA	M	M	M	M
New Zealand	3	6	5	7	44	no. (No.)	3	14	39	14	0
next	AA	M	M	M	M	Noah	6	57	8	23	24
Niagara	6	57	14	9	44	nob	1	11	1	12	8
nibble	8	57	19	73	9	Nobel	1	1	8	0	10
Nicaragua	7	7	5	4	118	nobility	12	90	24	41	71
nice	AA	630	830	630*	176	noble	A	386	134	386*	672
nicely	13	70	80	70*	28	nobleman	7	57	7	39	24
nicety	1	11	13	3	4	nobleness	1	14	0	4	5
niche	4	14	24	23	20	nobly	5	24	14	24	31
Nicholas	11	57	75	17	56	nobody	A	290	595	290*	288
nick	5	50	23*	6	5	nocturnal	3	14	5	32	7
Nick	5	7	20*	68	0*	nod	A	260	611	260*	115
nickel	11	115	39	10	48	node	1	12	9	8	3
nickname	5	16	29	26	19	nodule	1	10	0	7	5
Nicolas	1	2	19	0	8	Noel (n)	1	4	14	3	14
nicotine	1	12	12	1	0	noise	A	500	269	500*	206
niece	10	57	67	24	39	noiseless	3	19	8	17	16
Niger	1	16	2	0	6	noiselessly	6	38	35	29	18
niggard	1	18	2	0	3	noisily	3	11	24	18	10
nigger	2	1	14	1	33	noisome	1	12	3	3	3
nigh	22	130	14	134	122	noisy	14	46	70	92	47
night	AA	M	M	M	M	nomad	2	28	4	3	8
nightcap	2	12	3	18	8	nomadic	1	12	2	3	4
nightfall	5	11	20	38	22	Nome	1	1	3	1	14
nightgown	3	14	34	9	7	nomenclature	1	10	2	1	8
nightingale	9	90	8	30	41	nominal	3	15	20	7	25
Nightingale	8	25	0	136	0	nominally	3	13	10	4	32
nightly	6	57	30	16	14	nominate	16	50	59	27	152
nightmare	7	18	78	18	22	nomination	15	57	43	21	153
nighttime	1	0	10	1	10	nominee	2	7	14	4	27
Nile	10	57	18	53	52	non	7	4	21	3	100
nimble	6	60	7	38	15	nonchalance	1	4	20	0	10
nimbly	3	30	9	20	6	nonchalant	1	4	10	0	4
nine	AA	700	468	487*	294	nonchalantly	1	1	14	2	6
nineteen	19	130	109	40	77	noncommittal	1	0	13	0	9
nineteenth	8	50	28	24	46	nonconformist (N)	1	11	2	0	22
ninety	21	160	62	57	109	nondescript	3	8	44	4	4
Nineveh	2	18	1	7	12	none	AA	700	601	700*	699
ninth	22	210	42	100	47	nonexistent	1	2	8	2	11
Niobe	5	12	17	74	4	nonsense	19	90	166	48	49
nip	6	57	19	32	17	nonunion	1	3	2	0	17
nitrate	2	18	6	3	17	noodle	1	2	29	1	1
nitric	2	10	0	10	25	nook	9	90	24	41	19
nitrogen	12	57	1	81	88	noon	A	700	236	343*	94
nitrous	1	7	0	2	10	noonday	7	90	6	14	18

noontide to nuptial

	G	T	L	J	S		G	T	L	J	S
noontide	4	57	3	17	7	notification	1	8	7	1	2
noose	2	16	10	17	9	notify	10	90	45	16	27
nor	AA	700	755	700*	M	notion	33	160	173	85	177
Nora	9	1	145	13	4	notoriety	1	11	14	2	8
Norfolk	10	18	15	4	146	notorious	7	44	38	12	35
normal	41	79	335	28	306	notoriously	2	13	16	1	10
normally	6	11	53	3	42	Notre Dame	3	2	22	8	24
Norman	20	50	38	194	83	Nottingham	9	18	0	120	40
Normandy	28	18	24	233	60	Nottinghamshire	1	0	0	23	10
Norris	2	5	29	2	14	notwithstanding	14	90	26	52	99
Norse	2	12	3	19	9	nought	9	90	2	42	33
Norseman	1	14	2	11	0	noun	1	18	2	2	13
north	AA	M	329	M*	M	nourish	11	90	41	32	40
North Carolina	2	6	19	27	0	nourishment	7	57	21	32	30
northeast	10	57	24	35	80	Nov.	2	50	0	1	0
northeastern	5	28	3	10	52	Nova Scotia	2	14	4	7	18
northerly	2	16	5	7	17	novel	39	90	162	43	407
northern	A	290	101	290*	527	novelist	6	18	29	6	62
Northerner (n)	1	4	4	5	16	novelty	14	115	70	25	53
Northland (n)	1	0	2	18	1	November	A	310	326	310*	388
Northman	7	7	55	55	16	novice	4	50	10	6	14
Northumberland	3	11	2	34	8	now	AA	M	M	M	M
Northumbria	1	12	0	0	11	nowadays	14	50	107	51	61
northward	11	15	28	78	81	nowhere	17	57	116	57	84
northwest	19	90	42	76	149	nowise	1	6	0	8	6
northwestern	7	50	14	19	57	noxious	1	16	3	5	8
Norton	2	11	28	2	10	nozzle	2	16	10	14	6
Norway	16	90	12	68	123	Nubia	1	7	2	2	9
Norwegian	8	28	12	19	86	nucleus	6	57	11	6	44
Norwood	1	0	26	0	2	nude	1	5	11	2	11
nose	AA	700	478	489*	289	nudge	2	12	19	14	8
nosegay	1	11	9	5	5	nugget	2	7	3	20	8
nostril	15	130	48	70	39	nuisance	10	50	51	26	57
not	AA	M	M	M	M	null	1	16	2	2	11
notable	16	68	59	31	140	nullification	2	12	0	0	24
notably	5	22	41	8	28	nullify	2	8	9	1	29
notary	2	28	5	4	6	numb	5	18	55	16	6
notation	2	12	11	0	18	number	AA	M	954	M*	M
notch	11	50	24	104	33	numberless	4	50	12	8	11
note	AA	670	948	670*	M	numbness	1	8	12	3	6
notebook	6	14	57	14	36	numeral	3	50	12	3	4
noted (adj.)	8	30	44	30	45	numerical	2	14	8	2	12
noteworthy	4	16	8	7	58	numerous	A	235	122	235*	433
nothing	AA	M	M	M	M	nun	9	90	34	20	22
notice	AA	700	893	700*	501	nuncio	1	7	0	7	6
noticeable	7	42	42	31	59	nunnery	2	18	13	5	14
noticeably	1	8	16	1	8	nuptial	5	57	11	14	8

Nuremberg to occult

	G	T	L	J	S		G	T	L	J	S
Nuremberg	1	7	4	6	12	oblige	47	260	158	214*	218
nurse	A	340	714	340*	324	obliging	2	9	14	6	7
nursery	19	57	194	59	37	oblique	4	28	16	9	26
nurture	3	28	10	8	8	obliquity	1	11	0	1	8
nut	A	420	205	292*	80	obliterate	4	18	20	10	26
nutmeg	2	28	21	2	2	oblivion	5	50	25	7	17
nutrient	2	28	3	0	7	oblivious	3	18	29	2	7
nutriment	1	10	3	5	4	oblong	3	10	33	6	18
nutrition	6	50	35	9	19	obnoxious	2	18	9	4	11
nutritious	1	12	3	1	7	oboe	1	1	1	12	15
nutritive	2	14	3	3	16	Obregon	9	2	147	0	22
nutshell	1	2	5	5	7	obscene	2	28	15	0	9
nutting	1	12	1	10*	2	obscure	16	90	85	32	96
N.Y.	8	8	89	0	50	obscurity	6	57	15	13	32
N.Y.C.	9	?	100	0	0	obsequies	1	14	0	1	4
nymph	13	90	12	111	27	obsequious	2	18	5	2	11
						observable	1	6	1	5	15
						observance	6	57	15	6	38
O	AA	700	49	700*	749	observant	2	14	7	11	7
o' (O')	9	0	121	46	0	observation	40	130	94	134	366
oak	A	700	125	317*	105	observatory	5	14	5	7	79
oaken	9	50	7	36	10	observe	A	370	351	370*	691
Oakland	1	12	0	0	18	observer	26	50	82	51	299
oakum	1	11	0	3	4	obsess	1	11	18	0	6
oar	11	115	25	7	51	obsession	2	10	24	0	4
oarsman	1	2	3	5	8	obsolete	3	16	28	0	22
oasis	5	57	6	7	24	obstacle	18	90	56	84	103
oat	23	235	35	103*	44	obstetrics	1	0	16	0	2
oaten	1	10	0	10	2	obstinacy	4	50	3	9	15
oath	18	57	46	103	133	obstinate	8	72	22	38	17
oatmeal	5	57	20	17	5	obstinately	2	18	2	5	12
Ob	1	4	30	0	0	obstruct	6	50	11	9	40
obdurate	1	11	4	3	3	obstruction	5	28	12	15	35
obedience	15	130	24	53	80	obtain	AA	430	264	430*	863
obedient	7	70	16	40	16	obtainable	4	18	15	7	34
obediently	3	20	28	8	8	obtrude	1	11	8	1	6
obeisance	2	16	2	15	8	obtrusive	1	5	5	3	6
obelisk	2	14	1	3	26	obtuse	1	16	1	2	7
obesity	1	12	3	1	2	obviate	2	11	7	2	20
obey	A	420	157	237*	163	obvious	23	30	177	19	196
object	AA	700	394	700*	799	obviously	20	27	200	12	131
objection	20	90	91	63	127	occasion	A	350	424	350*	522
objectionable	2	10	16	9	15	occasional	20	46	147	71	106
objective	7	11	61	4	56	occasionally	39	69	240	194	201
obligate	1	8	9	0	10	occident (O)	1	4	7	0	9
obligation	23	90	144	25	169	occidental (O)	1	12	8	1	13
obligatory	1	3	3	2	17	occult	2	7	12	2	22

occupancy to Oneida

	G	T	L	J	S		G	T	L	J	S
occupancy	1	5	10	2	10	oft	14	160	6	11	81
occupant	7	50	33	23	28	often	AA	M	M	M	M
occupation	34	160	97	69	287	oftentimes	4	28	11	28	13
occupy	A	330	262	330*	540	ofttimes	1	16	0	5	13
occur	A	245	400	245*	641	Ogden	1	0	7	4	24
occurrence	9	57	26	17	65	ogle	1	12	4	3	7
ocean	AA	700	117	700*	411	ogre	2	18	10	12	1
ocher (re)	1	3	11	2	2	oh (Oh)	AA	700	M	700*	755
o'clock	A	400	685	400*	74	Ohio	47	130	121	131	472
Oct.	3	57	2	0	0	oil	AA	500	536	500*	780
octagonal	1	3	1	7	12	oilcloth	3	18	48	2	2
octave	3	10	4	22	19	oilskin	1	4	17	1	5
Octavia	1	0	2	19	6	oily	4	28	31	9	5
October	A	320	250	320*	336	ointment	5	57	8	8	10
octopus	2	10	9	4	13	O.K.	2	1	49	1	0
odd	38	166	250	266*	102	okay	3	0	71	0	0
oddity	2	10	11	9	7	Oklahoma	10	50	48	4	78
oddly	9	42	84	42	7	Olaf	2	3	0	4	32
odds	10	42	55	42	41	old	AA	M	M	M	M
ode	6	50	7	2	54	old-age	1	3	24	0	4
Odin	15	4	0	263	8	olden	4	18	9	31	18
odious	6	57	14	8	39	old-fashioned	20	28	223	51	66
odor (our)	27	160	147	104	92	old-time	7	3	68	25	32
odoriferous	1	10	1	2	10	old-timer	2	0	41	2	4
odorous	1	18	4	10	2	olfactory	2	16	2	2	18
Odysseus	3	4	0	49	4	oligarchy	1	5	0	0	24
Odyssey	3	16	5	14	19	olive	34	220	156	151*	88
o'er	18	240	6	83*	2	Oliver	14	90	77	53	42
of	AA	M	M	M	M	Olympia	3	28	7	24	10
off	AA	M	M	M	M	Olympian	2	1	7	16	13
offal	1	18	0	4	0	Olympic	4	7	5	5	52
offend	27	220	67	123*	83	Olympus	4	16	1	48	18
offender	7	57	33	11	34	Omaha	4	8	28	10	32
offense	28	220	86	129*	80	Omar	2	5	7	0	24
offensive	13	57	69	33	80	omelet (ette)	2	6	26	5	2
offer	AA	661	946	661*	966	omen	5	50	11	23	14
offering (n.)	10	39	60	39	54	ominous	7	46	38	12	35
offhand	2	14	15	10	6	ominously	2	11	17	5	9
office	AA	700	M	700*	M	omission	5	57	21	3	20
officer	AA	700	585	700*	927	omit	14	115	73	7	62
official	A	224	204	224*	729	omnibus	2	14	13	4	6
officially	9	26	21	26	92	omnipotent	1	18	2	1	4
officiate	1	14	7	3	11	omnipresent	1	8	7	1	4
officious	1	18	1	3	3	on	AA	M	M	M	M
offset	5	28	27	6	43	once	AA	M	M	M	M
offshoot	1	7	2	2	10	one	AA	M	M	M	M
offspring	10	90	42	31	31	Oneida	1	6	0	0	22

O'Neill to orifice

	G	T	L	J	S		G	T	L	J	S
O'Neill	2	3	11	0	26	optimist	1	6	8	0	10
oneself	2	14	20	0	14	optimistic	3	7	30	1	24
one-sided	1	5	13	2	15	option	2	12	14	2	20
onion	25	130	268	25	28	optional	1	4	19	0	7
onlooker	1	0	16	8	10	opulence	1	14	6	1	4
only	AA	M	M	M	M	opulent	1	12	4	3	3
onset	4	28	8	22	14	opus	2	3	8	0	34
onslaught	2	10	14	9	8	or	AA	M	M	M	M
Ontario	6	16	11	4	82	oracle	10	90	10	33	51
onto	13	7	178	14	38	oracular	1	14	2	2	3
onward	17	146	22	75	76	oral	4	50	15	1	17
onwards	1	14	0	9	8*	Oran	1	5	0	0	16
onyx	1	8	6	5	2	orang	1	4	1	0	16
ooze	6	28	21	47	21	orange (O)	A	390	351	291*	131
opal	7	16	95	14	4	oration	5	57	11	9	25
opaque	3	28	12	14	17	orator	9	57	19	27	75
ope	1	10	0	3	10	oratorical	1	8	5	1	6
open	AA	M	M	M	M	oratorio	1	7	1	6	11
open-air	1	0	11	2	21	oratory	5	16	26	9	45
opener	1	14	8	3	2	orb	8	90	5	4	62
opening (n. adj.)	36	?	124	?	200*	orbit	10	50	5	61	66
openly	18	?	73	?	94	orchard	20	250	65	0	46
opera	34	130	161	147	176	orchestra	10	90	146	37	79
operate	43	90	264	43	392	orchestral	1	6	6	10	12
operatic	2	12	16	2	16	orchid	3	16	44	3	4
operation	A	245	321	245*	668	ordain	12	115	5	37	69
operative	3	11	7	0	46	ordeal	5	14	57	17	13
operator	20	50	117	38	158	order	AA	M	M	M	M
opiate	1	12	7	1	2	orderly	9	12	61	33	58
opine	1	8	3	0	9	ordinance	9	115	14	13	30
opinion	AA	320	438	320*	M	ordinarily	11	36	70	36*	71
opium	7	57	3	1	75	ordinary	A	204	307	204*	492
opossum	1	7	0	12	12	ordnance	2	14	1	15	14
opponent	17	57	77	27	162	ore	18	18	42	161	109
opportune	2	28	4	3	8	Oregon	16	57	48	51	132
opportunity	A	270	436	270*	529	organ	48	245	120	245*	271
oppose	A	220	119	220*	372	organdy (die)	2	16	27	0	0
opposite	A	290	293	290*	281	organic	8	57	7	10	71
opposition	29	90	101	64	278	organism	10	57	10	7	115
oppress	12	130	16	39	40	organist	4	28	16	29	8
oppression	8	90	13	20	31	organization	A	90	385	78	699
oppressive	4	28	13	12	32	organize	48	115	269	109	384
oppressor	3	50	1	11	4	organizer	2	7	7	1	38
opprobrious	1	10	2	0	6	orgy	4	28	25	7	17
optic	2	28	2	1	5	Orient (o)	12	90	60	7	63
optical	2	16	3	4	18	Oriental (o)	14	57	72	16	112
optimism	3	11	28	5	25	orifice	4	18	23	7	28

origin to outset

	G	T	L	J	S		G	T	L	J	S
origin	28	90	62	75	278	ours	34	200	191	200*	30
original	A	164	299	164	481	ourself	9	160	2	1	0
originality	5	18	23	8	53	ourselves	A	230	408	230*	258
originally	17	46	57	46	164	oust	2	10	5	2	27
originate	10	50	36	26	69	out	AA	M	M	M	M
originator	1	11	5	5	12	outbreak	10	50	33	16	91
Orinoco	1	11	1	1	8	outbuilding	1	5	7	7	0
orion	2	18	5	41	8	outburst	5	12	33	22	36
Orion	5	18	2	19	54	outcast	3	28	17	13	12
Orkney	3	11	0	19	34	outcome	8	18	43	21	65
Orlando	2	3	2	27	4	outcrop	1	4	10	7	10
Orleans (é)	9	57	27	6	82	outcry	7	50	15	37	24
ornament	30	235	59	139*	122	outdo	1	7	7	4	6
ornamental	6	50	25	17	29	outdone	1	4	6	8	6
ornate	2	14	19	1	12	outdoor	12	35	99	26	60
ornithologist	1	4	3	8	4	outdoors	6	22	58	14	15
orphan	15	130	53	41	46	outer	23	57	97	102	159
orphanage	1	4	24	3	4	outermost	1	12	2	11	7
Orpheus	2	12	0	23	10	outfit	17	57	152	42	64
orthodox	5	28	21	3	53	outgo	1	13	7	1	13
orthodoxy	1	10	3	4	14	outgoing	1	5	7	6	4
Osage	1	1	8	1	16	outgrow (grew)	2	14	13	10	16
Osborne	9	4	8	1	162	outgrowth	1	6	0	3	19
Oscar	2	3	26	0	16	outhouse	1	4	3	11	3
oscillate	1	10	7	0	9	outing	3	28	26	7	2
oscillation	2	7	0	1	30	outlandish	1	14	8	2	6
osier	2	18	1	7	12	outlast	1	8	8	1	4
Osiris	1	3	6	4	20	outlaw	9	18	26	70	63
osmosis	2	18	0	0	26	outlay	4	8	14	6	49
osprey	1	8	0	16	1	outlet	15	115	68	20	77
ostensible	1	16	2	1	6	outline	24	90	107	72	177
ostensibly	1	4	14	1	11	outlive	4	50	8	11	4
ostentation	1	14	5	0	14	outlook	6	16	0	19	87
ostentatious	2	18	9	10	9	outlying	2	14	3	7	26
ostler	1	5	0	14	0	outnumber	2	14	8	14	10
ostrich	5	57	7	26	12	out-of-door	1	0	11	6	7
Oswald	4	7	65	0	2	out-of-doors	3	3	36	25	3
Othello	1	11	1	1	18	out-of-the-way	1	1	10	6	5
other	AA	M	M	M	M	outpost	3	14	16	10	18
otherwise	A	235	249	235*	309	output	17	50	62	14	193
Ottawa	3	7	7	11	32	outrage	12	57	75	26	61
otter	8	18	4	87	35	outrageous	5	40	28	19	9
Otto	5	7	48	11	34	outrageously	1	10	10	1	4
Ottoman (o)	2	14	3	1	19	outran	1	18	0	0	1
ought	AA	700	864	700*	521	outright	4	18	29	13	14
ounce	26	200	95	117	57	outrun	4	57	3	10	6
our	AA	M	M	M	M	outset	4	11	16	13	33

outshine to ox

	G	T	L	J	S
outshine (shone)	1	6	3	7	5
outside	AA	700	921	700*	555
outsider	3	6	32	0	28
outskirts	5	16	32	23	19
outspoken	1	3	7	3	15
outspread	1	18	2	8	2
outstanding	11	11	100	2	94
outstretched	6	55	31	13	13
outstrip	3	16	5	14	19
outward	14	89	54	44	81
outwardly	4	23	33	5	12
outweigh	2	18	8	7	18
outwit	3	10	15	21	14
outwork	1	7	0	5	10
outworn	1	7	9	3	8
oval	5	18	17	27	31
ovary	5	50	6	29	17
oven	29	160	326	30	17
ovenbird	1	0	0	20	1
over	AA	M	M	M	M
overalls	7	28	46	12	43
overawe	1	11	5	2	5
overbear (bore borne ing)	1	14	2	6	13
overboard	6	18	33	30	39
overburden	1	4	5	2	8
overcame	8	57	27	33	39
overcast	2	18	7	7	7
overcharge	1	16	2	2	6
overcoat	12	115	62	23	24
overcome	33	160	127	166	155
overcrowd	3	28	23	0	19
overdo (did)	1	4	10	6	8
overdone	1	2	12	0	7
overeat	1	8	9	3	3
overestimate	1	8	4	1	9
overflow	15	130	46	46	54
overgrown	2	14	10	17	7
overhang	5	16	18	39	19
overhaul	3	14	12	6	24
overhead	21	115	85	114	77
overhear	8	57	41	30	24
overhung	1	5	10	13	7
overjoy (ed)	3	11	14	21	11
overlaid	1	14	5	4	8
overland	5	50	4	29	15
overlap	3	14	14	12	31

	G	T	L	J	S
overlay	1	12	1	4	6
overload	2	16	13	6	12
overlook	23	115	138	62	110
overlord	2	2	8	19	7
overmatch	1	3	1	5	9
overmuch	1	14	4	5	10
overnight	9	18	107	16	36
overpower	7	57	30	25	27
overproduction	3	1	44	0	16
overrate	1	8	3	3	7
override	1	8	11	1	11
override	2	28	5	4	7
overrun	3	28	7	15	16
overseas	4	17	27	1	40
oversee	1	7	8	9	0
overseer	2	12	0	8	24
overshadow	4	18	16	15	32
overshoe	1	18	8	2	1
oversight	2	28	5	8	9
overspread	2	28	6	1	5
overstep	1	8	5	1	6
overt	1	10	4	1	5
overtake (en)	16	130	35	79	48
overthrew	5	28	1	25	46
overthrow	10	57	4	52	70
overthrown	12	73	4	66	90
overtime	2	7	27	3	15
overtone	2	4	8	22	5
overtook	6	50	23	31	21
overtop	1	12	0	3	4
overture	4	18	10	19	26
overturn	9	90	29	15	30
overweight	2	12	22	1	2
overwhelm	11	50	59	44	58
overwhelming	8	34	50	15	50
overwhelmingly	1	6	10	1	8
overwork (ed)	4	16	36	18	14
overwrought	1	16	7	2	5
ovule	1	18	0	0	6
owe (ing)	A	410	259	410*	461
Owen	7	2	56	2	82
owl	35	280	34	280*	52
owllet	1	18	0	1	1
own	AA	M	M	M	M
owner	A	310	305	310*	337
ownership	9	28	85	11	52
ox (en)	32	310	20	190*	69

oxford to panel

	G	T	L	J	S		G	T	L	J	S
oxford	2	13	22	0	7	painting (n.)	45	212	220	212*	174
Oxford	13	77	29	33	108	pair	AA	700	374	466*	325
oxidation	2	28	0	0	25	pajamas	6	18	95	1	0
oxide	4	12	1	18	51	pal	7	14	112	0	6
oxidize	3	28	2	2	28	palace	A	360	104	360*	369
oxygen	25	50	30	189	197	palatable	1	8	16	1	6
oyster	23	130	175	45	67	palate	3	18	21	13	6
oz.	7	115	2	0	20	palatial	1	7	7	2	5
						palatine (P)	1	10	3	2	10
pa	8	57	92	1	2	pale	A	300	413	300*	209
pace	A	260	264	260*	202	paleface	1	12	1	3	15
pacific	14	78	53	49	177	paleness	1	18	1	5	5
Pacific	25	82	54	51	270	Palermo	2	3	1	34	8
pacifism	1	0	4	0	20	Palestine	6	57	18	15	28
pacifist	1	1	11	0	22	palette	1	5	4	4	6
pacify	3	16	14	8	26	palfrey	3	16	3	43	3
pack	A	330	469	330*	188	paling	1	2	14	6	0
package	38	240	213	174	68	palisade	2	16	4	10	6
packer	4	14	24	0	40	Palisades	1	12	0	3	9
packet	7	57	40	22	20	pall	4	28	30	2	23
pact	4	4	13	1	62	palladium (P)	1	7	8	0	5
pad	17	90	102	84	32	Pallas	2	16	1	23	4
paddle	16	57	37	155	43	pallet	2	12	4	21	6
paddock	2	5	24	7	3	palliative	1	4	11	0	4
padlock	1	12	2	8	11	pallid	3	16	22	9	11
padre	1	4	3	11	12	pallor	2	8	26	2	5
Padua	1	14	0	9	4	palm	37	230	172	192*	173
paean	1	6	4	5	4	palmer (P)	4	50	25	6	1
pagan	7	50	16	12	48	palmy	1	16	2	3	4
paganism	1	10	2	1	6	palpable	1	16	6	3	9
page	AA	700	M	700*	526	palpably	1	6	4	2	6
pageant	11	57	85	14	42	palpitate	1	6	4	7	4
pageantry	1	14	6	2	3	palsy (ied)	2	28	3	6	6
Paget	2	3	23	2	10	paltry	?	28	8	10	11
pagoda	1	8	4	1	6	pampas (P)	1	7	1	7	8
paid	AA	320	712	320*	654	pamper	2	18	19	8	8
pail	16	220	45	0	26	pamphlet	9	50	49	13	62
pain	AA	700	541	542*	386	pan (P)	A	290	379	290*	75
Paine	1	2	13	5	12	panacea	1	7	9	0	10
painful	15	60	96	49	82	Panama (p)	17	115	40	67	93
painfully	7	30	70	17	24	Pan-American	1	0	3	4	22
painless	1	7	16	2	5	pancake	6	57	25	7	12
painstaking	3	16	23	7	11	pancreas	1	18	3	0	1
painstakingly	1	0	19	0	0	Pandora	5	14	65	15	3
paint	AA	488	M	488*	382	pane	11	115	28	40	28
painter	25	160	63	68	171	panegyric	1	18	2	0	8
						panel	11	47	102	27	35

pang to particle

	G	T	L	J	S		G	T	L	J	S
pang	12	130	50	17	28	parchment	8	57	25	54	14
pangolin	1	0	0	4	16	pard	1	8	1	0	17
panic	19	57	147	37	101	pardcn	36	280	112	164	101
panicky	1	3	22	0	6	pare	5	47	26	27	3
panic-stricken	1	3	17	1	0	parent	A	360	797	360*	259
panoply	1	12	3	3	1	parentage	4	28	9	8	27
panorama	2	14	22	6	8	parental	3	11	30	7	14
pansy (P)	7	90	39	2	3	parenthood	1	0	15	0	4
pant	26	165	104	165*	44	pariah	1	19	0	0	2
pantaloon	2	22	4	2	8	paring (n.)	1	10	11	3	3
Pantheon (p)	1	10	2	2	5	Paris	AA	160	587	353	763
panther	5	18	28	40	10	parish	11	51	41	43	74
pantomime	1	12	0	10	6	parishioner	1	10	7	1	14
pantry	13	90	69	66	24	Parisian	7	28	30	3	43
pants	6	35	43	35	10	park	A	370	647	370*	365
pap	1	10	7	5	6	Parker	11	7	152	1	30
papa	34	220	169	220*	21	parlance	1	8	6	2	6
papacy	1	10	6	0	14	parley	2	18	5	14	16
papal	5	28	7	5	54	parliament (P)	28	130	26	69	291
paper	AA	M	M	M*	M	parliamentary	5	14	6	11	76
paprika	4	7	72	0	2	parlor	30	235	121	138*	57
papyrus	2	7	5	11	18	Parnassus	3	3	1	54	3
par	5	7	24	3	65	parochial	1	10	3	1	15
parable	2	28	6	1	12	parody	1	8	4	2	9
parabola	1	10	1	5	3	parole	3	5	28	4	19
parachute	5	14	44	8	35	paroxysm	1	8	2	1	9
parade	16	90	100	26	89	parrot	9	90	18	36	20
paradise	29	210	76	134*	117	parry	3	7	23	20	12
paradox	3	14	15	4	24	Parsee (si)	1	4	8	0	6
paradoxical	1	10	8	1	8	parsley	8	18	128	3	3
paraffin (e)	3	18	28	16	2	parsnip	1	18	8	1	4
paragon	1	18	9	2	4	parson	10	115	26	10	29
paragraph	12	57	72	16	82	parsonage	1	11	12	2	5
Paraguay	2	3	4	8	28	part	AA	M	M	M	M
parallel	23	115	65	62	180	partake	7	72	17	23	30
parallelism	1	8	0	0	13	partaken	2	18	4	7	9
paralysis	4	16	35	8	21	partaker	1	18	0	2	0
paralyze (se)	10	50	67	25	41	Parthenon	2	11	1	4	20
paramount	5	18	35	4	33	Parthian	1	12	6	2	4
paramour	2	18	5	0	18	partial	9	47	34	17	69
parapet	4	28	8	18	18	partiality	1	11	0	2	7
paraphernalia	1	5	19	3	4	partially	8	43	48	15	51
parasite	5	57	16	3	29	participant	1	8	8	3	13
parasitic	1	16	5	2	6	participate	8	57	43	5	56
parasol	2	8	23	6	16	participation	5	28	24	3	50
parcel	23	235	46	107*	39	participle	1	10	0	10	6
parch	6	57	27	20	19	particle	17	57	31	123	104

particular to pay roll

	G	T	L	J	S		G	T	L	J	S
particular	A	182	461	247*	545	patent	27	89	56	112	236
particularly	A	138	414	185*	345	paternal	5	57	21	5	17
parting (n. adj.)	6	?	?	?	?	path	AA	700	350	456*	319
partisan (z)	9	50	36	11	68	pathetic	9	50	65	18	30
partisanship	1	2	8	0	18	pathetically	2	6	29	3	9
partition	10	57	39	27	70	pathless	1	14	0	10	10
partly	A	245	130	245*	337	pathological	1	8	3	0	13
partner	32	160	225	80	127	pathology	1	7	1	0	10
partnership	12	28	116	33	51	pathos	3	14	14	7	26
partook	1	7	5	4	5	pathway	7	57	21	44	21
partridge	12	57	13	133	23	patience	39	280	139	179*	117
part-time	1	1	16	2	0	patient	A	270	392	270*	320
party	AA	700	M	700*	M	patiently	10	40	85	40	23
Pascal	1	3	0	0	16	patio	1	1	29	0	1
pasha	2	7	4	0	40	patriarch	3	28	14	5	23
pass	AA	M	M	M	M	patriarchal	1	10	5	2	10
passage	AA	220	171	220*	M	patrician	6	11	17	7	75
passageway	4	5	27	43	8	Patrick	3	18	13	7	24
passé	5	4	92	0	2	patrimony	1	14	1	1	4
passenger	A	240	287	240*	249	patriot	17	90	11	128	89
passer	1	6	17	4	2	patriotic	11	57	33	34	75
passer-by	2	6	4	17	22	patriotism	12	57	30	37	92
passion (P)	A	235	236	235*	253	patrol	8	14	46	22	78
passionate	15	38	161	25	54	patrolman	1	0	23	0	6
passionately	7	19	84	27	10	patron	17	130	53	39	96
passive	7	50	29	13	42	patronage	9	50	42	23	47
Passover	1	14	1	2	2	patroness	1	16	2	2	1
passport	4	18	35	11	16	patronize	4	11	35	4	26
past	AA	700	M	700*	681	patter	8	57	41	48	10
paste	17	90	161	26	38	pattern	A	245	341	245*	70
pasteboard	1	2	13	3	3	Patterson	4	3	63	0	20
pastel	2	4	40	0	2	patty	4	18	61	1	0
Pasteur	1	14	5	3	8	Paul	A	200	691	200*	286
pasteurize	1	11	9	1	1	Pauline	4	6	55	0	14
pastime	10	115	34	31	10	paunch	1	11	1	12	1
pastor	11	90	14	23	64	pauper	2	12	5	8	22
pastoral	6	57	7	2	56	pause	A	160	490	196	198
pastry	12	50	157	7	6	pave (ing n.)	14	115	38	41	68
pasturage	1	14	1	11	6	pavement	16	115	60	53	70
pasture	30	260	91	136*	58	pavilion	16	57	25	110	112
pasty	2	4	14	21	1	paw	29	200	69	200*	68
pat	30	160	285	92	19	pawn	4	18	31	18	9
Pat	1	3	5	16	8	pay	AA	M	M	M*	M
Patagonia (n)	1	3	2	10	4	payable	4	28	10	0	23
patch	34	230	160	155*	74	payer	1	3	5	4	6
patchwork	1	16	8	3	2	payment	47	200	179	200*	270
pate	2	18	6	16	3	pay roll	1	6	23	1	0

pea to pensive

	G	T	L	J	S		G	T	L	J	S
pea	30	220	167	137*	23	peerless	4	28	12	32	13
Peabody	3	6	35	4	10	peevish	2	14	12	9	6
peace	AA	700	472	700*	M	peg	9	90	48	16	25
peaceable	10	45	6	22	112	Pegasus	1	10	0	11	4
peaceably	2	12	6	19	14	Peggy	5	8	73	4	10
peaceful	25	136	88	108	124	Peking	5	8	15	1	80
peacefully	4	24	27	23	8	Pelham	1	11	12	2	6
peacemaker	1	7	4	2	7	pelican	1	16	5	0	13
peach	29	210	154	134*	37	Pelion	2	8	0	27	6
peacock	10	90	26	65	8	pellet	2	14	10	22	5
peak	28	114	93	134	164	pell-mell	1	12	6	12	4
peaked	1	1	14	5	3	Peloponnesian	1	1	0	0	26
peal	9	115	13	27	18	pelt	6	50	20	19	22
peanut	7	57	39	22	17	Pembroke	1	12	2	9	10
pear	21	200	62	97*	32	pen	A	700	144	335*	161
pearl	47	310	188	215*	148	penal	2	14	7	1	15
pearly	3	28	9	18	8	penalize	1	7	10	0	14
Pearson	1	6	8	1	8	penalty	13	57	49	33	98
Peary	2	0	0	3	38	penance	5	57	10	10	21
peasant	32	130	106	181	165	pence	4	57	3	13	0
peasantry	2	16	6	7	23	pencil	40	290	186	183*	74
pease	1	6	0	6	7	pendant	2	28	6	6	7
peat	4	5	26	16	25	pendent	2	28	1	10	6
pebble	19	90	61	177	27	pending	5	16	17	4	53
pebbly	1	7	4	15	2	pendragon (P)	1	1	0	3	26
pecan	1	12	10	3	8	pendulum	5	28	9	38	24
peck	13	160	18	36	27	Penelope	1	8	6	4	12
pectin	1	2	18	0	0	penetrate	18	51	73	87	116
peculiar	42	170	164	170*	261	penetrating (adj.)	3	6	30	8	12
peculiarity	11	50	19	35	104	penetration	2	12	15	1	16
peculiarly	7	30	31	30*	46	penguin	2	2	6	28	3
pecuniary	2	11	0	4	24	peninsula	11	90	14	26	81
pedagogue	1	16	0	2	6	peninsular	2	4	1	5	33
pedal	2	16	13	7	8	penitence	1	14	2	0	8
peddle	2	5	22	9	9	penitent	4	57	12	3	6
peddler	5	57	21	13	0	penitentiary	3	10	33	3	23
pedestal	6	50	18	32	19	penknife	1	6	4	6	3
pedestrian	4	14	21	6	41	Penn	3	19*	8	5	30
pedigree	2	28	12	5	8	Penn.	1	9*	5	3	16
pediment	1	4	1	1	12	pennant	1	6	8	5	10
pedlar	2	7	0	14	25	penniless	3	11	31	15	12
Pedro	4	7	43	13	12	pennon	2	10	4	26	3
peek	3	12	24	20	3	Pennsylvania	A	160	134	114	498
peel	12	90	91	14	32	penny	38	300	129	174*	92
peep	27	245	58	145*	44	pension	13	57	105	17	59
peer	39	250	155	179*	131	pensioner	2	28	2	4	4
peerage	2	12	0	0	32	pensive	5	70	9	10	16

ensively to personally

	G	T	L	J	S		G	T	L	J	S
ensively	1	20	6	1	2	period	AA	290	574	290*	M
pent	3	57	3	4	6	periodic	2	8	17	1	22
Pentecost	2	10	1	10	15	periodical	7	43	25	1	69
penthouse	1	8	10	3	5	periodically	2	14	15	4	12
penury	2	28	3	1	8	perish	32	235	33	184*	133
Penzance	1	0	11	6	2	perishable	2	11	9	0	16
people	AA	M	M	M	M	periwinkle	1	8	2	16	1
Peoria	1	5	4	0	10	perjure	1	14	9	2	3
pep	3	2	42	0	12	perjury	1	14	3	1	13
pepper	27	130	285	46	35	perk	1	14	8	3	1
peppercorn	1	14	2	4	2	Perkins	1	5	10	4	6
peppermint	1	8	14	7	0	permanence	2	14	20	2	10
Pepys	1	5	4	1	2	permanent	33	105	160	46	298
per	A	260	449	260*	607	permanently	7	25	62	15	40
peradventure	3	57	2	1	11	permeate	2	14	13	3	12
percale	1	12	7	1	2	permissible	1	6	7	2	10
perceive	47	210	83	210*	244	permission	22	115	81	103	109
per cent (percent)	A	57	315	19	M	permit	A	330	416	330*	567
percentage	13	28	84	6	128	pernicious	4	50	6	3	19
perceptible	5	20	13	24	33	perpendicular	8	50	14	33	49
perceptibly	2	8	9	3	16	perpetrate	1	12	1	0	19
perception	7	50	24	9	59	perpetrator	1	7	10	1	4
perch	23	160	68	152	40	perpetual	12	99	34	37	57
perchance	8	90	3	41	26	perpetually	4	31	11	11	19
Percival (vale)	5	6	1	94	8	perpetuate	3	18	11	6	30
percolate	1	10	7	1	13	perplex	12	115	35	28	52
Percy	8	16	110	8	20	perplexity	7	50	21	28	31
perdition	2	28	1	0	8	Perry	19	57	277	0	24
père	1	3	1	15	12	persecute	7	90	11	13	15
peremptory	3	31	16	1	14	persecution	7	57	23	24	29
perennial	4	16	42	1	20	persecutor	1	12	3	5	12
perfect	A	300	628	300*	431	Perseus	4	7	1	68	0
perfection	17	115	91	27	87	perseverance	5	57	6	22	16
perfectly	A	400	525	400*	227	persevere	5	57	3	20	14
perfidious	1	14	0	4	6	Pershing	1	0	8	1	18
perfidy	1	12	4	0	12	Persia	10	22	10	37	128
perforate	2	16	4	6	21	Persian	21	68	20	68	231
perforce	1	10	6	8	10	persimmon	2	5	14	2	16
perform	A	290	152	290*	283	persist	17	57	124	48	89
performance	35	90	190	159	193	persistence	3	18	9	9	21
performer	4	4	30	23	30	persistent	10	40	50	25	66
perfume	21	130	150	51	64	persistently	2	10	16	8	10
perfunctory (ily)	2	3	25	0	9	person	AA	M	978	M*	M
perhaps	AA	700	M	M*	M	personage	8	57	20	18	66
peril	25	115	55	142	140	personal	A	130	519	112	538
perilous	13	81	21	57	75	personality	30	57	322	14	155
perilously	1	9	4	0	14	personally	17	32	165	35	87

	G	T	L	J	S		G	T	L	J	S
personification	1	11	6	1	12	petulance	1	10	2	3	4
personify	1	10	5	2	8	petulant	2	10	16	9	2
personnel	5	11	34	1	50	pew	5	50	24	4	24
perspective	5	28	31	5	26	pewter	3	14	20	23	3
perspiration	4	16	37	12	8	phaeton ('phaeton')	1	5	8	3	2
perspire	1	11	17	0	5	phalanx	1	15	1	1	4
persuade	37	160	204	141	168	phantom	6	57	14	25	15
persuasion	7	57	17	26	39	Pharaoh	7	50	57	13	12
persuasive	4	40	11	13	13	Pharisee 'p)	1	16	0	3	9
persuasively	1	10	6	2	2	pharmacy	1	5	3	2	9
pert	2	18	21	11	3	phase	15	18	91	16	162
pertain	5	57	8	6	23	pheasant	3	18	15	17	7
pertinent	2	14	14	2	16	Phelps	1	4	6	0	16
perturb	3	16	21	5	17	phenomena	6	8	23	9	70
perturbation	1	11	8	3	11	phenomenal	1	12	6	4	9
Peru	7	57	20	18	32	phenomenon	18	57	26	14	141
perusal	1	11	1	2	8	phial	1	7	2	9	5
peruse	4	57	8	1	6	Phidias	1	10	0	9	16
Peruvian	2	11	5	3	34	Phil	11	7	193	0	8
pervade	5	50	18	6	25	Philadelphia	A	160	183	152	716
perverse	4	45	17	6	7	philanthropic	1	6	9	2	15
perversely	1	12	7	1	0	philanthropist	2	16	8	5	14
perversity	1	3	4	2	12	philanthropy	1	14	2	1	13
pervert	4	50	13	5	7	Philip	37	230	123	168*	150
pessimism	1	10	11	0	10	Philippe	2	3	21	0	21
pessimist	1	8	1	0	10	Philippi	1	16	0	0	6
pessimistic	1	2	0	0	18	Philippine (s)	16	57	144	26	75
pest	6	28	42	21	27	Philistine	4	57	10	4	13
pester	2	10	7	14	6	Phillips	4	11	6	4	62
pestilence	5	57	3	14	19	philology	1	6	2	0	10
pestle	2	10	3	20	3	philosopher	18	115	56	35	134
pet	26	130	162	139	49	philosophic	3	18	7	6	30
petal	6	6	43	42	19	philosophical	5	23	15	4	63
Pete	5	7	73	18	4	philosophically	1	5	15	3	2
Peter	A	300	620	300*	130	philosophize	1	4	4	2	11
Peterkin	2	2	9	3	26	philosophy	30	130	116	23	278
Petersburg	2	7	2	1	34	phlegmatic	1	12	2	4	3
petiole	1	4	0	1	17	phoebe (P)	10	20	148	18	2
petit	1	0	9	2	15	Phoebus	4	57	0	18	11
petite	2	1	5	3	32	Phoenicia	2	3	0	3	32
petition	11	90	16	41	67	Phoenician	6	11	2	29	66
Petrarch	1	16	0	0	6	phoenix	1	12	10	2	6
petrify	2	18	10	23	11	phone	20	90	272	1	7
Petrograd	2	11	18	1	18	phonograph	6	28	61	2	29
petroleum	8	57	11	28	53	phosphate	4	57	5	13	8
petticoat	8	90	25	23	16	phosphorescent	1	7	5	3	7
petty	11	90	71	13	40	phosphoric	5	50	0	33	9

phosphorous to piquant

	G	T	L	J	S		G	T	L	J	S
phosphorous	2	0	5	33	9	pierce	20	128	64	111	66
phosphorus	1	4	3	0	18	piercing (adj.)	4	32	16	13	17
photo	7	18	103	2	11	Pierre	5	6	30	27	36
photograph	35	57	342	30	208	piety	6	57	20	7	27
photographer	3	12	50	5	2	pig	44	340	75	242*	143
photographic	4	16	20	4	40	pigeon	34	115	76	415	22
photography	3	8	4	5	41	pigeonhole	1	7	7	1	4
photoplay	1	2	1	0	16	pigment	4	50	6	7	19
phrase	30	130	196	26	197	pigskin	1	2	15	2	0
phraseology	1	11	4	2	6	pigtail	1	3	10	2	8
Phrygia (n)	1	11	0	4	10	pike	6	57	17	28	12
Phyllis	1	2	23	0	4	pile	A	390	350	315*	205
physic	3	50	5	7	8	pilfer	1	16	6	7	3
physical	49	77	411	68	341	pilgrim	14	112	30	41	74
physically	8	13	77	12	46	Pilgrim	2	18	0	16	8
physician	43	210	190	189*	168	pilgrimage	8	57	17	35	44
physicist	2	7	8	0	22	pill	7	90	30	12	7
physics	3	12	9	12	30	pillage	3	28	5	19	16
physiognomy	2	12	4	0	28	pillar	16	112	53	71	55
physiological	3	7	10	1	33	pillared (adj.)	1	18	2	2	9
physiologist	1	7	0	0	13	pillory	2	28	0	3	10
physiology	3	18	5	7	26	pillow	33	240	161	150*	50
physique	3	11	17	1	30	pilot	26	57	184	54	184
pianist	2	12	13	8	15	pimento	1	4	29	0	0
piano	26	130	212	81	49	pimple (d)	1	11	10	3	4
piazza	5	28	13	26	35	pin	43	320	201	179*	76
pick	AA	700	986	700*	316	pinafore	1	10	9	4	1
pickax (axe)	1	12	2	15	2	pincers	1	16	2	0	0
picker	1	8	20	1	3	pinch	20	130	86	103	50
pickerel	1	11	0	7	1	pincushion	1	5	4	8	4
picket	4	11	24	21	24	pine	A	300	172	226*	205
pickings	1	5*	4	5*	4	pineapple	15	28	235	2	10
pickle	13	90	69	57	25	pinhole	1	5	17	0	2
pickpocket	1	7	6	10	5	pinion	5	50	13	15	12
pickup	1	1	15	0	2	pink	A	245	364	245*	95
picnic	16	115	126	41	17	pinnacle	1	16	1	11	3
Pict	2	4	0	2	32	pinnacle	4	50	12	6	18
pictorial	3	10	10	3	32	pinnate	1	10	0	0	10
picture	AA	M	M	M*	831	pint	14	130	92	2	35
picturesque	18	90	92	46	107	pioneer	27	90	130	139	129
picturesqueness	1	7	4	4	4	pious	12	117	27	18	60
pie	A	320	400	320*	81	piously	1	13	2	3	6
piece	AA	M	822	M*	755	pipe	A	430	227	309*	259
piecemeal	1	10	4	4	2	piper	10	57	71	33	35
pied	1	16	0	9	8	piping (n. adj.)	4	?	23	?	20
Piedmont	4	18	4	5	46	pippin	1	14	3	0	13
pier	11	57	61	50	34	piquant	1	4	18	0	7

pique to prescience

	G	T	L	J	S		G	T	L	J	S
pique	6	50	43	2	16	planet	34	115	23	272	210
piracy	1	8	3	6	4	planetary	2	12	3	10	27
pirate	12	57	40	86	44	plank	19	90	100	59	99
piratical	1	11	4	2	2	plant	AA	N	944	M*	M
Pisa	3	12	2	10	36	Plantagenet	1	14	0	4	6
pistil	5	50	0	35	16	plantain	2	18	2	15	4
pistillate	1	5	0	0	24	plantation	17	90	74	50	100
pistol	20	130	119	47	66	planter	9	57	22	21	76
piston	5	16	5	58	18	plant louse	3	0	0	55	1
pit	29	210	81	148*	86	plash	1	8	1	18	0
pitch	43	235	202	192*	148	plasma	1	18	0	0	10
pitcher	20	130	155	28	51	plaster	16	80	102	79	32
pitchfork	1	10	16	3	5	plastering (n.)	1	10	3	2	4
piteous	3	25	8	13	12	plastic	3	18	18	8	13
piteously	4	32	19	19	6	plate	A	410	316	329*	260
pitfall	1	7	11	7	7	plateau	12	90	16	25	99
pith	3	50	0	5	6	platform	35	130	185	123	209
pithy	1	11	3	0	5	platinum	4	18	35	8	27
pitiable	3	14	14	13	14	Plato	9	50	15	6	94
pitiful	10	42	87	33	28	platoon	1	8	7	0	7
pitifully	3	15	36	16	4	Platte	2	3	7	15	14
pitiless	5	57	19	26	14	platter	8	57	63	18	8
Pitt	9	12	41	5	119	plausible	3	16	17	7	20
pittance	1	10	6	2	5	play	AA	M	M	M*	M
Pittsburgh	21	57	37	64	236	player	36	90	274	79	217
pity	A	500	263	321*	201	playfellow	2	16	1	26	0
pityingly	1	?	13	?	0	playful	5	22	22	39	22
pivot	4	50	14	14	10	playfully	1	6	5	16	2
pk.	3	57	0	0	0	playground	10	57	37	46	43
placard	3	12	21	11	10	playhouse	2	14	11	19	4
placate	1	2	13	1	8	playmate	10	115	25	34	10
place	AA	M	M	M	M	plaything	9	90	16	43	16
placer	1	2	8	18	2	playwright	4	16	37	3	26
placid	6	40	44	13	24	plaza	1	1	30	1	2
placidly	2	17	20	7	8	plea	10	57	43	17	64
plague	15	160	36	38	48	plead	33	160	275	78	97
plaid	6	57	46	5	5	pleasant	AA	610	457	610*	292
plain	AA	M	448	?	700	pleasantly	16	90	84	90*	27
plainly	25	?	131	?	99	pleasantness	1	12	4	3	0
plainness	2	28	5	4	6	pleasantry	2	14	6	5	15
plaint	1	12	1	2	4	please	AA	M	M	M*	481
plaintiff	3	12	44	0	14	pleasing (adj.)	17	78	82	78*	75
plaintive	5	39	19	17	29	pleasurable	1	10	7	1	9
plaintively	1	11	16	3	0	pleasure	AA	700	442	547*	499
plait	3	28	13	11	5	pleat	2	4	36	1	3
plan	AA	700	M	M*	M	plebeian	7	50	6	2	69
plane	A	115	555	143	294	plebiscite	3	7	14	0	39

pledge to pollination

	G	T	L	J	S		G	T	L	J	S
pledge	27	160	70	99	165	poacher	2	5	12	19	3
Pleiad	1	2	0	11	8	pocket	A	420	572	420*	291
Pleiades	1	18	1	2	2	pocketbook	4	12	36	24	12
plenipotentiary	2	17	9	0	10	pod	3	18	14	6	24
plenteous	3	57	1	3	7	Poe	3	0	8	3	44
plentiful	12	80	31	63	51	poem	A	235	100	235*	363
plentifully	1	10	0	11	8	poesy	1	12	1	3	10
plenty	A	380	598	380*	190	poet	A	320	84	274*	417
pliable	1	8	6	10	5	poetic	7	57	20	8	56
pliant	1	14	6	6	3	poetical	5	28	11	3	49
plight	11	90	47	42	30	poetry	26	130	84	4	258
Pliny	3	11	0	8	38	poignancy	1	6	11	0	7
plod	5	28	30	13	23	poignant	2	11	27	2	20
plot	36	220	128	164*	145	Poincaré	1	1	0	0	22
plough	17	130	11	96	84	point	AA	M	M	M	M
ploughman	5	12	0	65	17	point-blank	1	7	9	3	7
ploughshare	1	11	0	9	9	pointed	49	?	150	?	398
plover	1	11	3	0	8	pointedly	1	5	7	5	1
plow	35	235	78	218*	100	pointer	2	8	17	6	13
plowman	3	12	0	54	0	poise	13	57	114	37	34
pluck	28	245	43	156*	66	poison	42	220	158	191*	194
plucky	3	14	9	30	6	poisonous	9	57	30	50	36
plug	9	57	75	16	30	poke	12	50	60	92	27
plum	23	220	72	106*	26	poker	4	14	61	0	11
plumage	6	28	16	50	15	Poland	16	37	23	4	238
plumb	2	11	31	3	8	polar	8	57	9	37	71
plumber	2	16	28	2	4	pole	A	420	140	264*	231
plumbing	2	7	3	37	5	polecat	1	5	1	12	17
plume	15	130	35	80	36	polestar	1	0	1	18	2
plummet	1	14	3	8	3	police	A	130	618	69	302
plump	14	90	80	59	24	policeman	22	90	190	66	63
plunder	13	90	19	65	75	policy	A	160	228	66	916
plunge	43	240	227	196*	120	polish	28	150	137	122	103
plunger	1	6	7	1	6	Polish	7	10	9	9	101
plural	1	18	2	2	11	polite	20	101	115	100	58
plurality	2	11	5	1	30	politely	12	59	71	60	30
plus	10	50	70	2	63	politeness	5	28	27	17	27
plush	1	14	4	3	5	politic	9	130	7	4	31
Plutarch	3	16	1	0	50	political	A	125	452	121	M
Pluto	3	18	0	33	4	politically	4	5	23	2	43
ply	10	90	12	48	35	politician	25	50	149	27	224
Plymouth	7	50	20	8	52	politics	40	28	260	58	378
P.M. (p.m.)	2	12	35	6	0	Polk	1	3	5	3	13
pneumatic	2	14	11	9	9	polka	1	4	8	6	4
pneumonia	5	28	54	6	10	poll	17	115	23	37	136
Po	2	28	2	2	18	pollen	6	18	24	35	34
poach	3	12	21	21	4	pollination	1	7	4	0	10

	G	T	L	J	S
pollute	4	57	5	7	13
pollution	3	50	6	3	4
Polly	12	57	96	50	16
polo	5	23	52	0	16
Polo	1	5	0	9	8
polygamy	1	10	2	0	7
Polynesia (n)	1	2	1	5	20
polyp	1	10	0	11	13
pomegranate	2	28	8	8	6
pommel	1	11	2	7	12
pomp	12	130	15	23	50
Pompeii	2	2	5	11	18
Pompey	4	57	0	9	10
pompous	3	28	12	5	19
poncho	1	2	0	5	11
pond	30	280	31	171*	62
ponder	11	57	52	57	38
ponderous	5	57	0	13	20
poniard	1	11	0	22	1
Pontiac	1	0	0	22	0
Pontus	1	11	0	3	8
pony	32	230	81	230*	50
pooch	1	0	18	1	0
poodle	1	8	5	7	14
pooh	1	12	4	2	4
pool	34	160	194	190	83
poop	2	8	19	1	12
poor	AA	M*	887	M*	M
poorhouse	1	5	5	4	10
poorly	7	?	?	?	32
pop	21	90	218	41	39
popcorn	1	3	18	3	2
Pope (p)	26	160	24	73	228
popish	1	12	0	2	5
poplar	8	57	19	46	28
poplin	1	16	1	1	2
poppy	6	57	16	17	23
populace	5	28	0	24	39
popular	A	154	418	121	581
popularity	13	50	79	11	104
popularize	1	8	2	2	12
popularly	2	6	3	5	38
populate	2	12	12	6	23
population	A	220	230	220*	868
populous	5	50	5	11	29
porcelain	8	57	21	23	46
porch	A	250	365	250*	79

	G	T	L	J	S
porcupine	7	28	4	93	18
pore	8	57	48	28	13
pork	14	130	75	18	36
porous	2	15	5	9	14
porphyry	1	10	0	2	8
porpoise	1	14	3	5	6
porridge	2	18	4	19	12
port	A	330	151	330*	449
portable	4	28	23	5	22
portage	2	11	12	10	6
portal	7	57	22	19	35
portcallis	1	7	1	18	5
Porte	1	2	3	0	14
portend	2	18	1	9	10
portent	1	16	9	1	4
portentious	2	18	12	5	7
porter (P)	19	115	121	66	55
portfolio	2	16	10	1	21
porthole	1	5	13	3	6
portico	2	11	7	13	18
portiere (ière)	2	28	6	0	4
portion	A	245	125	245*	518
Portland	10	57	35	14	82
portly	1	12	6	5	7
portmanteau	1	8	2	13	5
Porto	2	14	0	8	22
Porto Rico	3	57	1	10	0
portrait	19	28	96	62	158
portraiture	1	10	0	1	9
portray	4	28	28	3	28
Portsmouth	4	11	18	7	52
Portugal	11	57	7	37	110
Portuguese	8	57	20	33	47
pose	10	28	104	21	44
Poseidon	1	2	0	20	0
position	AA	240	757	240*	M
positive	15	52	92	18	111
positively	11	38	83	31	49
posse	1	3	12	1	3
possess	A	330	303	330*	511
possession	A	310	228	310*	399
possessive	2	16	20	0	1
possessor	3	18	16	8	21
possibility	45	90	331	86	305
possible	AA	700	M	700*	M
possibly	A	?	359	?	263
possum	7	1	9	58	75

post to precision

	G	T	L	J	S		G	T	L	J	S
post	AA	700	M	700*	758	power	AA	M*	911	M*	M
postage	10	115	52	12	6	powerful	A	156	186	274	354
postal	10	90	31	7	60	powerfully	1	4	7	8	8
post card	1	14	10	2	2	powerless	5	28	23	32	22
poster	5	50	25	3	13	practicable	5	18	11	32	43
posterior	3	18	2	1	33	practical	A	180	340	180*	349
posterity	7	90	5	6	31	practically	A	200	410	200*	411
postern	2	12	0	12	17	practice	AA	600	490	600*	345
posthumous	1	10	1	0	15	practiced (adj.)	6	31	20	31	26
postman	4	57	17	10	6	practise	24	69	24	69	264
postmaster	3	14	19	17	13	practitioner	2	11	16	0	21
post office	11	90	17	31	65	praetor	1	8	0	0	13
postpone	9	28	52	26	69	Prague	3	16	10	2	36
postscript	5	57	29	6	5	prairie	25	90	94	129	150
postulate	1	11	1	0	7	praise	A	390	116	328*	266
posture	5	6	48	9	33	praiseworthy	1	12	2	5	12
postwar	2	2	22	0	18	prance	4	57	11	16	5
posy	1	16	3	3	5	prank	6	57	25	29	0
pot	47	340	232	205*	70	prate	4	57	1	11	5
potash	3	14	5	14	25	Pratt	10	0	177	1	4
potassium	3	28	9	2	19	prattle	1	18	0	5	8
potato	A	330	384	330*	177	prawn	1	4	1	20	0
potency	1	16	6	1	11	Praxiteles	1	0	1	19	0
potent	7	57	15	8	47	pray	A	400	269	325*	307
potentate	4	57	8	7	14	prayer	A	350	194	270*	190
potential	8	23	43	1	82	prayer book	2	?	?	7	14
potentiality	2	11	16	1	9	preach	36	245	97	166*	156
potentially	1	5	15	1	10	preacher	16	90	78	31	95
potion	1	18	6	6	5	preaching (n.)	5*	?	?	?	?
Potomac	6	18	7	39	54	preamble	1	11	5	0	6
pottage	1	11	5	0	4	precarious	6	50	32	7	31
potter	7	50	55	12	13	precaution	13	50	51	68	81
pottery	5	16	34	19	31	precede	16	50	75	32	131
pouch	8	57	26	33	30	precedence	2	16	11	6	14
Poughkeepsie	1	4	7	3	4	precedent	9	57	42	2	68
poultry	11	130	35	24	24	preceding	9	7	29	17	117
pounce	6	28	41	36	10	precept	6	57	15	11	33
pound	AA	700	688	617*	464	precinct	7	57	45	7	18
pounder	1	2	1	12	3	precious	A	310	215	252*	193
pour	A	400	556	400*	217	precipice	8	57	18	49	23
pout	7	18	100	18	6	precipitate	7	50	32	16	44
pouter	1	3	0	16	1	precipitately	1	7	6	3	4
poverty	24	160	146	66	67	precipitation	2	16	2	5	20
poverty-stricken	1	1	13	3	2	precipitous	3	18	11	9	19
powder	A	240	436	240*	138	precise	6	17	41	10	48
powdery	1	5	10	3	3	precisely	16	40	89	51	124
						precision	8	50	36	13	59

preclude to preventable

	G	T	L	J	S		G	T	L	J	S
preclude	2	11	8	5	16	preparedness	1	3	5	1	16
precocious	2	18	14	8	6	preponderance	1	11	6	2	8
preconceive	1	10	7	2	6	preposition	1	18	6	2	3
precursor	1	7	1	1	13	preposterous	4	28	25	10	17
predatory	2	10	11	8	13	prerogative	5	50	16	7	22
predecessor	8	57	32	12	56	presage	2	28	5	3	10
predicament	3	18	23	8	15	Presbyterian	7	28	21	2	82
predicate	1	11	3	1	12	prescribe	14	130	42	13	71
predict	16	57	69	26	150	prescription	4	28	18	3	25
prediction	7	50	30	14	43	presence	A	350	277	350*	368
predilection	1	10	3	1	10	present	AA	M	M	M*	M
predominance	1	10	3	0	11	presentable	1	7	20	1	1
predominant	4	18	9	2	43	presentation	8	50	38	2	71
predominate	3	16	12	12	28	present-day	2	2	35	3	0
preëminence	2	18	2	3	13	presentiment	1	12	1	4	3
preëminent	1	6	1	1	10	presently	A	314	352	374	217
preëminently	1	8	2	4	16	preservation	7	50	15	19	46
preen	1	5	7	8	0	preservative	2	14	4	4	16
preface	13	50	5	7	173	preserve	A	320	164	320*	344
prefect	2	4	2	10	24	preserver	2	18	8	5	5
prefer	A	360	318	308*	247	preside	11	90	22	31	34
preferable	2	8	17	7	19	presidency (P)	11	28	53	15	112
preferably	3	10	35	4	20	president (P)	AA	400	M	400*	M
preference	14	57	68	36	102	presidential	20	50	76	27	214
preferment	1	18	1	1	10	press	AA	700	664	700*	M
prefix	1	16	2	0	14	pressure	48	90	212	127	448
pregnancy	1	8	14	0	2	prestige	7	14	47	6	62
pregnant	4	57	13	2	8	presto	1	11	7	9	2
prehistoric	4	14	10	18	40	Preston	2	3	38	3	6
prejudice	16	57	71	22	139	presumably	5	16	35	4	50
prejudicial	1	11	0	2	9	presume	14	130	46	27	57
prelate	4	57	1	5	12	presumption	4	50	7	9	17
preliminary	12	57	75	21	78	presumptuous	4	57	8	5	3
prelude	3	14	19	8	16	pretend	35	160	272	125	90
premature	4	20	16	4	33	pretender	1	10	0	0	10
prematurely	1	8	7	2	12	pretense (c)	10	90	54	20	32
premeditate	1	10	9	1	2	pretension	3	18	8	5	33
premier	11	16	5	1	177	pretentious	2	8	21	4	5
premise	7	28	28	25	53	pretext	4	18	18	9	28
premium	7	57	48	1	31	prettily	3*	?	20	?	4
premonition	1	2	26	0	4	pretty	AA	M*	M	?	433
preoccupation	2	3	16	0	20	prevail	36	186	70	186*	219
preoccupy (ied)	3	14	29	8	15	prevailing (adj.)	5	24	15	24*	29
prepaid	1	18	6	0	0	prevalence	2	28	6	1	15
preparation	40	160	204	154	208	prevalent	9	57	32	11	65
preparatory	5	28	30	10	29	prevent	A	370	364	370*	553
prepare	AA	700	668	700*	598	preventable	1	7	3	0	12

prevention to profess

	G	T	L	J	S		G	T	L	J	S
prevention	8	50	56	2	47	private	A	339	468	339*	598
preventive	3	28	0	1	25	privateer	2	11	1	15	14
preview	1	0	27	0	1	privately	6	21	24	21	43
previous	31	85	152	84	245	privation	4	16	14	17	27
previously	17	45	65	41	159	privilege	33	133*	124	85	253
prewar	1	11	9	0	0	privileged (adj.)	6	27*	19	14	54
prey	28	200	44	200*	71	privily	1	2	0	10	19
Priam	1	10	0	10	10	privy	4	57	6	15	0
price	AA	700	M	700*	M	prize	A	310	306	310*	245
priceless	5	12	41	19	18	pro	5	12	31	0	61
prick	15	160	41	43	30	probability	12	50	65	19	91
prickly	2	16	8	13	3	probable	23	50	64	50	251
pride	A	370	403	370*	248	probably	AA	260	M	260*	957
priest	42	240	78	225*	225	probation	3	16	39	1	7
priestess	1	10	1	8	8	probe	4	18	35	13	11
priesthood	2	28	3	1	11	problem	AA	200	M	200*	961
priestly	2	12	3	6	15	problematical	1	7	5	1	5
prim	1	7	11	7	5	proboscis	1	14	1	7	7
primacy	1	10	3	0	6	procedure	11	28	85	13	80
primal	1	12	6	0	3	proceed	A	33	?	?	453
primarily	8	16	55	2	77	proceeding (n.)	19	?	?	?	133
primary	25	90	58	40	262	proceeds (n.)	4	?	37	?	30
prime	17	130	65	51	74	process	A	200	293	200*	726
primer	2	28	5	6	6	procession	27	115	89	184	102
primeval	3	12	9	13	20	processionary	1	0	11	12	0
primitive	20	57	79	86	139	proclaim	32	210	63	176*	142
primrose	9	50	84	17	11	proclamation	9	57	5	42	75
prince	AA	700	217	700*	467	proconsul	1	10	0	1	10
princely	6	50	8	23	36	procreation	1	8	1	0	10
princess	46	230	254	230*	114	Procrustes	9	0	0	178	0
Princeton	8	11	58	18	70	procure	22	130	32	74	163
principal	A	260	139	260*	442	prod	2	5	21	9	6
principality	4	50	0	2	24	prodigal	6	48	21	14	26
principally	11	50	28	50*	81	prodigality	1	14	1	0	5
principle	A	160	266	160*	841	prodigious	8	57	29	17	50
print (ing)	A	500	429	448*	415	prodigy	2	16	4	8	14
printer	7	28	21	24	56	produce	AA	380	601	380*	M
printing press	2	0	0	4	36	producer	13	18	137	7	77
prior	15	57	28	56	136	product	A	280	353	280*	709
priority	1	11	4	2	9	production	A	90	405	30	817
priory	3	7	2	32	18	productive	22	50	39	16	294
Priscilla	5	11	67	0	12	productivity	2	7	15	1	32
prism	5	57	1	10	28	Prof.	2	18	23	1	0
prison	A	290	258	290*	232	profane	7	90	13	9	20
prisoner	A	330	187	330*	312	profanely	1	12	0	0	6
prithoe	4	14	0	56	4	profanity	1	10	10	1	10
privacy	6	28	67	5	24	profess	10	87	26	5	67

profession to propulsion

	G	T	L	J	S		G	T	L	J	S
profession	28	90	204	49	168	promissory	1	8	1	2	17
professional	31	55	254	29	225	promontory	3	16	5	9	27
professionally	1	2	18	2	4	promote	18	57	90	22	159
professor	A	200	272	200*	566	promoter	4	12	37	8	30
professorship	1	5	1	2	15	promotion	10	57	50	8	74
proffer	6	50	20	12	40	prompt	19	90	82	90	83
proficiency	1	6	6	5	12	promptly	34	155	176	155	126
proficient	2	16	9	4	9	promulgate	1	16	2	1	12
profile	5	14	55	4	19	prone	6	57	19	16	21
profit	A	290	366	290*	440	prong	1	7	8	4	4
profitable	14	76	57	36	87	pronoun	4	57	2	1	12
profitably	2	14	14	2	17	pronounce	29	190*	58	190*	96
profiteer	5	10	2	1	92	pronounced (adj.)	14	90	27	90	45
profligate	1	10	3	2	6	pronouncement	1	3	9	0	19
profound	18	65	79	55	128	pronunciation	4	57	4	9	15
profoundly	6	25	44	9	51	proof	48	270	141	243*	216
profuse	2	30	7	5	8	prop	9	57	57	22	35
profusely	2	20	3	7	6	propaganda	12	16	67	3	134
profusion	2	12	14	10	14	propagandist	1	3	6	0	15
progenitor	2	28	2	2	6	propagate	8	57	7	60	21
progeny	3	50	4	8	7	propagation	1	18	4	1	9
program (mme)	46	90	384	20	340	propel	4	28	22	21	17
progress	A	240	365	240*	516	propeller	3	6	10	14	37
progression	1	6	4	5	8	propensity	2	16	7	8	12
progressive	14	53	72	4	128	proper	AA	490	387	490*	527
progressively	1	4	8	1	5	properly	45	210	199	210*	204
prohibit	12	90	28	11	87	property	A	310	244	310*	652
prohibition	40	57	96	11	557	prophecy	12	90	42	53	41
prohibitionist	1	5	1	0	22	prophesy	9	90	32	17	27
prohibitive	2	6	18	0	14	prophet	25	210	40	113*	88
project	38	90	175	125	304	prophetess	1	18	1	2	2
projectile	2	11	4	11	19	prophetic	5	57	14	10	22
projection	6	50	15	19	29	propitiate	1	10	4	4	2
projector	1	8	2	1	16	propitious	2	28	5	2	7
proletarian	1	4	17	0	9	proportion	A	200	197	200*	387
proletariat	3	8	21	0	30	proportional	3	8	10	2	36
prolific	4	50	9	3	12	proportionate	2	7	6	5	27
prologue (log)	5	28	5	4	57	proportionately	1	4	6	7	12
prolong	18	130	73	54	74	proportioned	1	4*	4*	4*	9
prolongation	1	7	1	4	10	proposal	20	57	90	20	207
promenade	6	57	25	12	27	propose	A	230	216	230*	473
Prometheus	4	7	1	51	21	proposition	19	90	110	28	131
prominence	4	12	23	9	31	propound	1	3	7	2	16
prominent	25	122	111	54	176	proprietary	2	7	8	2	19
prominently	1	8	12	4	7	proprietor	12	57	74	26	72
promiscuous	1	14	5	3	8	propriety	5	28	20	12	34
promise (ing)	AA	700	M	700*	646	propulsion	1	4	0	2	14

prosaic to publish

	G	T	L	J	S		G	T	L	J	S
prosaic	2	8	29	5	5	providential	1	8	1	6	5
proscribe	1	11	0	9	5	province	45	250	50	1	519
proscription	1	10	0	4	5	provincial	8	18	18	7	111
prose	10	57	15	6	112	provision	39	160	105	137	300
prosecute	6	28	33	14	50	provisional	3	5	11	7	46
prosecution	5	28	28	10	41	proviso	1	18	4	2	11
prosecutor	2	6	30	3	12	provocation	5	57	20	10	10
Proserpine	2	16	0	23	6	provocative	1	7	23	0	5
prospect	45	210	195	210*	210	provoke	15	160	28	38	52
prospective	7	25	63	9	38	provost	1	14	0	10	1
prospectively	1	3	0	0	22	prow	4	18	12	40	10
prospector	5	10	50	18	22	prowess	9	57	17	31	65
prospectus	1	1	6	3	12	prowl	7	28	37	57	12
prosper	13	130	19	41	46	proximity	2	16	8	4	21
prosperity	29	115	144	50	225	proxy	1	11	13	2	4
prosperous	23	155	126	48	90	prudence	7	57	23	16	36
prostitute	1	16	11	0	4	prudent	8	75	7	29	37
prostrate	8	57	27	27	34	prune	16	115	104	66	12
protect	A	360	383	360*	429	Prussia	7	25	3	10	86
protection	44	160	195	168	285	Prussian	7	25	9	8	84
protective	8	16	62	14	55	pry	7	50	52	31	9
protector	6	57	9	30	24	psalm (P)	8	90	8	29	30
protectorate	3	11	1	1	43	psalmist	1	14	1	1	5
protégé	1	7	7	2	10	pseudo	1	3	5	1	14
protein	6	57	32	0	25	pshaw	2	7	9	24	5
protest	A	115	440	116	273	psyche (P)	4	16	0	61	3
Protestant (p)	13	57	46	59	187	psychiatrist	1	1	19	0	12
Protestantism	1	8	0	3	16	psychic	2	10	22	0	11
protestation	2	18	13	6	3	psychical	1	7	1	1	11
Proteus	4	16	0	6	5	psychological	8	11	66	2	69
protocol	1	3	10	1	11	psychologically	1	1	10	0	10
protoplasm	5	50	5	1	34	psychologist	4	4	36	0	40
prototype	1	8	8	3	12	psychology	12	16	117	4	88
protract	2	16	5	9	17	psychosis	1	1	1	0	16
protrude	4	28	23	10	23	pt.	3	57	0	0	0
proud	A	540	404	378*	191	Ptolemy	1	5	1	6	6
proudly	21	160	101	98*	34	pub	1	0	28	1	3
prove	AA	700	783	700*	899	public	AA	700	M	700*	M
proven	1	3	12	2	7	publican	1	18	0	2	3
Provence	1	11	7	3	14	publication	18	57	92	5	182
provender	1	14	1	6	1	public house	1	1	0	2	18
proverb	8	52	11	26	65	publicist	2	7	4	0	25
proverbial	2	10	16	7	18	publicity	18	28	196	5	97
provide	AA	420	611	420*	895	publicly	5	15	26	15	41
providence	14	130	41	17	68	public school	4	0	1	0	73
Providence	9	6	6	21	146	public-spirited	1	2	8	10	10
provident	1	10	0	11	6	publish	A	240	366	240*	691

publisher to Pythagoras

	G	T	L	J	S		G	T	L	J	S
publisher	14	57	77	10	113	puppet	6	12	11	75	13
Publius	1	11	0	0	10	puppy	13	90	58	74	15
puck (P)	1	4	6	1	15	Purcell	2	2	45	10	0
pucker	3	15	23	6	10	purchase	A	360	317	360*	635
pudding	17	160	102	32	28	purchaser	5	18	38	17	32
puddle	3	18	20	15	8	pure	A	500	197	352*	303
pueblo (P)	2	12	11	10	25	purely	30	200	70	150*	132
Puerto Rico	1	0	6	0	18	purgatory	1	18	5	3	3
puff	28	210	121	128*	53	purge	6	90	11	5	17
puffy	1	5	9	2	3	purification	2	18	0	2	16
pug	1	14	3	4	1	purify	6	57	7	16	34
pugilist	1	7	3	0	12	Puritan (p)	11	57	29	31	82
pugnacious	1	8	1	2	10	Puritanism	1	3	3	0	12
puissant	1	11	1	9	6	purity	9	90	22	20	45
pull	AA	700	936	700*	342	purple	37	280	132	170*	98
puller	3	57	1	0	2	purplish	1	2	6	7	4
pullet	1	7	1	9	2	purport	4	28	13	13	26
pulley	4	16	6	26	24	purpose	AA	700	594	700*	M
Pullman	6	12	80	1	22	purposely	3	?	24	2	19
pulmonary	1	16	0	1	4	purr	6	28	39	33	11
pulp	8	57	51	14	28	purse	38	290	140	172*	86
pulpit	8	57	28	23	37	purser	2	2	34	0	1
pulse	18	130	78	77	40	pursuance	1	8	0	5	13
pulverize	2	16	6	10	7	pursue	49	280	108	280*	229
puma	3	6	1	45	6	pursuer	5	28	6	42	20
pumice	1	12	0	11	5	pursuit	21	115	58	98	121
pump	29	200	111	132*	85	pursuivant	1	8	0	8	2
pumpkin	13	115	65	37	18	purvey	1	10	3	4	14
pun	1	12	1	3	7	purveyor	2	11	8	24	4
punch	17	90	78	39	99	push	A	350	543	350*	302
puncheon	1	8	0	7	5	puss	4	57	9	7	11
puncher	1	0	19	0	0	pussy	11	160	10	11	29
punctilious	1	7	6	0	6	put	AA	M	M	M	M
punctual	4	57	10	9	5	Putnam	6	5	58	15	44
punctuate	1	6	20	5	4	putrid	1	8	2	7	2
puncture	2	10	13	2	12	putt	1	0	31	0	0
pungent	2	11	17	16	4	putter	2	6	29	6	4
Punic	1	3	0	1	27	putty	2	16	15	3	2
punish	36	280	56	198*	116	puzzle	38	115	278	173	127
punishable	1	5	3	2	8	pygmy	3	16	5	3	40
punishment	34	210	80	180*	159	pyramid	9	47	17	51	57
Punjab	1	5	0	1	14	pyramidal	1	14	1	1	13
punk	1	7	19	1	4	Pyramids	2	10	7	12	8
puny	3	18	12	18	8	Pyrenees	1	7	1	3	7
pup	6	16	62	11	30	pyrites	1	5	0	13	5
pupa (ae)	4	50	0	18	11	Pyrrhus	1	11	0	0	7
pupil	A	340	144	261*	181	Pythagoras	1	8	1	0	11

python to racial

	G	T	L	J	S		G	T	L	J	S
python	1	5	7	16	5	query	9	18	66	32	60
qt.	10*	90	?	?	?	quest	20	90	65	88	123
quack	7	90	10	26	13	question	AA	700	M	M*	M
quadrangle	1	8	1	17	1	questionable	4	28	22	6	20
quadrant	2	11	0	2	32	questionnaire	2	3	14	1	22
quadruped	1	12	1	14	5	quibble	1	12	2	3	7
quadruple	1	11	4	1	8	quick	A	M	336	?	316
quaff	2	18	4	10	6	quicken	13	130	50	25	41
quail	7	57	14	52	17	quickly	AA	?	834	?	374
quaint	15	82	73	78	54	quickness	3	14	11	32	6
quaintly	1	8	6	8	7	quicksand	1	11	13	6	4
quake	3	9	11	13	23	quicksilver	3	10	3	40	4
Quaker	5	50	12	14	29	quid	1	3	8	1	9
qualification	8	50	27	12	67	quiet	A	352	755	352*	377
qualify (ied)	11	50	74	11	66	quietly	A	348	446	348*	114
quality	A	330	431	330*	508	quietness	3	28	9	19	8
qualm	2	12	15	6	5	quietude	1	12	2	2	2
quantity	A	360	184	360*	394	quill	7	28	8	81	13
quarantine	2	18	20	1	10	quilt	8	80	46*	20*	10
quarrel	A	290	266	290*	196	quilting	1	10	4	4	2
quarrelsome	3	50	8	17	6	quince	1	11	6	3	0
quarry	11	90	32	37	56	Quincy	3	4	15	1	38
quart	17	160	133	4	19	quinine	3	50	9	2	3
quarter	AA	700	399	517*	551	quip	1	14	4	1	7
quarterback	1	0	18	0	0	quire	1	18	2	0	3
quarterdeck	1	3	10	4	6	quirk	1	14	16	0	3
quarterly	2	10	8	1	20	quit	49	270	250	225*	154
quartermaster	2	10	19	7	17	quite	AA	M	M	M*	M
quarterstaff	2	3	6	21	8	quiver	27	130	138	144	80
quartet (ette)	3	12	28	9	9	quizzical	1	4	21	4	1
quartz	14	12	4	193	47	quoit	1	14	1	6	11
quartzite	1	3	0	14	8	quota	3	11	29	5	26
quasi (quasi-)	1	8	1	1	18	quotation	10	57	60	6	63
quaver	3	16	19	19	7	quote	43	90	123	35	540
quay	3	16	14	1	31	quoth	47	90	122	421	223
que	1	3	3	0	14	quotient	1	28	2	0	4
Quebec	7	28	19	27	60	rabbi	1	11	2	1	11
queen	AA	700	342	700*	818	rabbit	43	260	96	260*	162
queenly	1	7	6	6	4	rabble	3	50	7	4	9
Queensland	1	4	3	2	12	rabid	1	8	5	0	11
queer	48	152	344	294	89	rabies	1	16	1	4	0
queerly	2	8	28	11	2	raccoon	3	7	3	56	0
quell	4	50	8	15	9	race	AA	700	552	603*	653
quench	12	160	10	34	22	racer	1	12	2	3	5
Quentin	1	2	6	0	10	Rachel	3	14	22	8	27
querulous	1	16	4	1	3	racial	7	18	40	0	70

rack to rather

	G	T	L	J	S		G	T	L	J	S
rack	29	220	137	131*	42	ramp	1	10	15	1	2
racket	10	14	126	24	32	rampant	2	16	9	5	14
racketeer	5	0	64	0	32	rampart	4	28	7	20	21
raccoon	1	0	3	12	11	ramrod	1	4	2	13	1
radial	1	7	0	2	21	Ramsay	1	3	3	0	20
radiance	7	50	41	21	22	ran	AA	700	785	700*	588
radiant	13	83	63	62	33	ranch	20	57	232	21	56
radiantly	1	7	9	2	1	rancher	1	3	9	1	8
radiate	5	16	21	20	35	ranchman	1	4	4	8	4
radiation	3	8	10	2	36	rancor	1	10	10	1	13
radiator	6	57	34	3	14	Rand	3	8	60	1	2
radical	16	53	51	3	193	Randolph	2	17	17	7	4
radicalism	1	8	3	0	24	random	10	90	37	13	40
radically	1	4	9	5	8	rang	25	130	199	57	75
radio	41	16	393	6	334	range	A	370	347	370*	544
radish	4	18	43	4	7	ranger	3	11	21	9	21
radium	2	12	11	3	14	rangy	1	4	9	0	5
radius	6	50	17	11	32	rank	A	340	168	340*	439
raft	7	50	19	32	25	rankle	2	18	11	5	9
rafter	7	57	25	36	15	ransack	2	12	15	7	5
rag	28	210	84	130*	95	ransom	10	90	19	55	23
ragamuffin	1	6	1	6	5	rant	1	7	3	4	7
rage	49	240	229	240*	173	rap	10	90	48	25	21
ragged	16	115	85	63	37	rapacious	1	14	2	4	5
raid	11	50	80	26	51	rape	3	28	18	2	13
raider	1	5	0	2	11	Raphael	3	18	0	14	30
rail	A	245	197	245*	219	rapid (s)	48	270	131	220*	258
railing	6	6	46	24	40	rapidity	8	57	22	24	54
railroad	AA	370	367	370*	776	rapidly	A	430	295	352*	330
railway	A	160	88	83	609	rapine	3	57	2	6	3
raiment	6	57	4	33	23	rapprochement	1	2	0	0	16
rain	AA	M	372	?	367	rapt	5	57	21	7	9
rainbow	17	160	45	73	42	rapture	10	115	34	15	27
raindrop	5	57	10	25	4	rapturous	3	14	22	11	7
rainfall	7	57	7	9	60	rare	43	175	172	175*	253
rainy	11	130	59	39	32	rarely	28	115	134	115*	142
raise	AA	M	799	M*	826	rarity	3	18	14	10	15
raiser	2	28	6	1	1	rascal	12	90	26	80	27
raisin	7	90	29	9	5	rascally	1	11	4	13	4
rajah (ja)	1	14	1	14	0	rash	9	95	37	16	31
rake	13	130	42	35	27	rashly	2	20	2	5	10
Raleigh	6	50	11	33	24	rashness	1	14	4	9	8
rally	12	50	53	56	65	rasp	3	16	33	14	8
Ralph	21	160	156	58	10	raspberry	4	16	41	12	5
ram (R)	16	130	24	92	56	rat	37	270	104	192*	114
ramble	7	50	39	35	13	rate	AA	410	388	410*	686
ramification	1	7	16	1	8	rather	AA	700	M	M*	M

ratification to reciprocal

	G	T	L	J	S		G	T	L	J	S
ratification	4	14	9	21	42	realm	28	220	36	157	94
ratify	9	50	12	35	81	reap	14	160	12	35	58
rating (n.)	1	3	18	10	0	reaper	10	50	10	113	14
ratio	11	57	14	4	133	reappear	7	50	23	35	29
ration	8	57	33	20	34	rear	A	270	251	270*	237
rational	6	28	33	9	50	rearrange	1	12	11	1	8
rattle	28	160	106	170	74	rearward	1	5	1	0	12
rattlesnake	3	12	12	20	17	reason	AA	M	M	M*	M
raucous	1	1	10	1	8	reasonable	26	103	155	53	166
ravage	9	50	18	30	75	reasonableness	3	4	9	6	35
rave	9	90	53	17	19	reasonably	7	27	63	12	27
raven	6	16	9	63	24	reasoning	13	?	47	?	72
Ravenna	2	4	0	4	45	reassemble	1	10	6	1	6
ravenous	3	28	12	15	5	reassurance	1	5	16	2	2
ravine	9	16	41	62	43	reassure	11	50	65	42	40
ravish	2	34	1	3	5	reawaken	1	7	4	3	5
ravishing	2	23	12	3	3	rebate	1	10	3	0	8
raw	46	230	191	230*	191	Rebecca	6	2	1	7	109
rawhide	1	7	13	9	0	rebel	25	160	115	108	80
ray	A	300	325	300*	148	rebellion	14	90	42	64	58
Raymond	6?	7	88	16	6	rebellious	5	55	14	19	16
rayon	1	0	23	0	7	rebound	2	14	16	5	9
raze	2	28	3	3	9	rebuff	5	50	19	9	13
razor	7	57	27	22	22	rebuild	7	57	20	13	44*
reach	AA	M	M	M*	M	rebuilt	2	4	17	8	10*
react	5	18	43	6	36	rebuke	10	90	21	19	63
reaction	21	28	154	16	186	recalcitrant	1	4	11	1	7
reactionary	5	16	6	1	68	recall	A	160	296	141	318
read	AA	M	M	M*	M	recant	1	10	8	0	7
reader	A	130	657	55	326	recapitulate	1	15	0	1	5
readily	31	115	121	124	204	recapture	3	12	23	4	21
readiness	9	57	26	57	39	recede	4	18	20	17	30
reading	41	?	206	?	167	receipt	20	160	87	16	103
Reading	1	2	0	0	24	receive	AA	M	735	M*	M
readjust	1	10	7	0	12	receiver	12	57	99	7	67
readjustment	3	11	13	0	40	receivership	1	1	13	0	4
ready	AA	M	727	?	731	recent	A	120	256	120*	660
ready-made	2	5	29	8	8	recently	A	110	349	110*	496
real	AA	700	M	M*	906	receptacle	5	57	14	7	15
real estate	4	3	34	2	34	reception	19	90	115	36	115
realism	3	6	16	0	36	receptive	1	7	6	0	8
realist	2	14	9	0	14	recess	14	160	36	34	34
realistic	2	11	15	2	23	recession	1	3	5	1	16
reality	28	90	183	70	177	recessive	1	16	2	0	0
realization	9	28	86	14	46	recipe	17	28	279	1	11
realize	AA	160	M	391*	468	recipient	2	14	20	1	13
really	AA	310	M	310*	680	reciprocal	3	28	6	4	29

reciprocate to referendum

	G	T	L	J	S		G	T	L	J	S
reciprocate	1	14	4	3	12	rectitude	1	14	3	2	9
reciprocity	1	8	4	0	6	rector	6	28	26	7	54
recital	4	14	27	26	15	rectory	1	11	4	5	9
recitation	2	12	12	7	11	recumbent	1	12	4	0	3
recite	12	115	48	28	38	recuperate	1	6	11	0	8
reck	2	18	4	9	6	recur	4	28	15	15	31
reckless	33	408	88	63	50	recurrence	2	11	11	0	22
recklessly	3	10	31	10	12	recurrent	1	10	11	0	14
recklessness	2	8	9	5	18	red	AA	M	M	M*	918
reckon	21	105	125	62	98	Red	3	0	30	0	26
reckoning (n.)	4	25	24	15	24	redbreast	4	57	3	10	2
reclaim	5	57	16	8	17	redde	6	57	29	18	8
reclamation	2	12	2	5	20	reddish	6	28	15	55	25
recline	6	57	23	16	12	redeem	10	115	22	18	39
recluse	1	11	7	9	7	redeemer (R)	1	16	0	1	3
recognition	21	50	109	29	204	redemption	3	28	14	0	19
recognizable	2	4	11	5	16	redfaced	1	0	12	9	1
recognize	A	220	509	220*	641	redhaired	1	0	16	0	2
recoil	6	57	24	9	23	redheaded	2	0	28	8	6
recollect	7	57	28	29	29	red-hot	4	4	16	26	29
recollection	11	57	70	32	50	rediscount	1	1	3	0	19
recommence	1	12	0	9	10	redouble	3	28	10	21	11
recommend	29	160	154	47	161	redoubt	1	12	0	1	18
recommendation	12	90	49	14	67	redoubtable	1	10	4	9	12
recompense	8	115	5	16	19	redress	4	57	1	7	19
reconcile	13	130	44	19	62	redskin	2	2	1	34	0
reconciliation	4	28	26	5	24	reduce	A	240	285	240*	502
reconnaissance	1	3	7	2	7	reduction	20	90	56	6	214
reconnoitre (er)	2	15	3	12	23	redundant	1	16	2	0	2
reconsider	1	7	7	1	8	redwood	2	11	11	0	15
reconstruct	4	16	28	4	32	reëcho	1	12	2	12	5
reconstruction	8	28	31	3	92	reed	22	160	89	117	45
record	AA	390	517	390*	M	Reed	1	0	0	0	24
recorder	2	12	13	5	9	reedy	2	16	20	2	0
recount	7	57	25	26	24	reef	6	57	4	20	41
recourse	4	28	7	24	24	reek	1	4	13	9	5
recover	A	245	181	245*	268	reel	19	160	64	69	50
recovery	16	50	96	23	123	reëlect	3	11	14	6	25
recreant	2	16	1	9	26	reëlection	2	12	15	3	20
re-create	1	6	5	1	11	reënförce	2	4	8	4	26
recreation	11	57	89	14	55	reënförcement	5	2	1	10	94
recrimination	1	8	11	1	5	reënter	3	28	8	8	17
recross	1	8	3	9	11	reëstablish	4	18	12	7	38
recruit	11	57	37	35	77	refer	37	160	172	63	278
rectangle	5	90	9	3	5	referee	3	7	46	0	16
rectangular	4	50	11	4	12	reference	24	90	112	41	203
rectify	1	18	7	0	8	referendum	4	16	7	15	51

refill to relaxation

	G	T	L	J	S		G	T	L	J	S
refill	2	7	17	8	5	Reginald	7	5	6	106	16
refine	7*	160	44	38	56	region	A	400	149	400*	788
refined (adj.)	9*					regional	2	3	11	0	27
refinement	7	57	35	13	28	register	41	220	177	187*	154
refinery	1	18	2	8	6	registration	5	28	16	7	47
refit	1	10	3	5	8	registry	1	7	12	0	14
reflect	39	130	213	133	232	regret	33	160	227	75	149
reflection	22	90	108	85	115	regretful	1	2	11	1	6
reflective	2	7	13	6	11	regretfully	2	3	20	9	12
reflector	3	3	10	29	12	regrettable	1	1	8	4	11
reflex	2	28	14	1	6	regular	A	328	340	328*	390
reform	31	115	115	38	323	regularity	3	18	15	20	18
re-form	1					regularly	19	82	122	82*	73
reformation (R)	3	8	13	4	37	regulate	16	90	40	37	138
reformatory	1	7	14	0	10	regulation	19	57	103	31	167
reformer	5	16	22	17	44	regulator	1	2	6	5	6
refraction	1	6	1	1	15	rehabilitate	1	5	6	0	12
refractive	1	2	0	0	18	rehabilitation	2	7	12	1	26
refractory	1	11	1	8	6	rehearsal	6	14	74	12	18
refrain	12	90	51	34	58	rehearse	8	57	60	4	23
refresh	13	72	42	57	53	reheat	1	5	10	2	1
refreshing	4	18	38	12	13	Reich	2	2	14	0	32
refreshment	12	90	61	38	35	Reichstag	1	3	5	0	16
refrigerate	1	5	5	0	9	Reid	2	3	9	5	27
refrigeration	2	11	10	0	16	reign	44	260	47	200*	293
refrigerator	11	28	169	3	13	rein	25	155	54	153	42
refuge	21	160	63	76	80	reindeer	6	90	1	14	13
refugee	5	28	14	16	38	reinforce	5	50	25	11	21
refund	2	14	3	1	27	reinforcement	3	14	4	5	33
refusal	10	50	53	16	65	reinstate	1	10	1	4	10
refuse	AA	390	564	485*	502	reiterate	5	50	14	10	21
refutation	1	7	3	4	4	reject	17	115	51	35	113
refute	3	57	3	3	7	rejection	2	12	4	2	21
regain	17	115	79	42	82	rejoice	24	225	32	109	71
regal	6	90	21	1	12	rejoicing (n.)	10	95	12	46	30
regale	1	11	1	10	8	rejoin	7	16	38	39	36
regard	AA	370	407	370*	M	rejuvenate	1	7	11	1	4
regarding (prep.)	15	28	70	28*	150	rekindle	1	10	3	5	3
regardless	12	57	84	29	54	relapse	3	16	21	16	15
regency	1	11	4	1	14	relate	33	155	80	130	235
regenerate	1	12	4	2	2	related (adj.)	11	55	30	45	83
regeneration	2	14	3	2	22	relation	A	230	232	230*	644
regent	6	50	13	14	25	relationship	16	50	138	14	92
regime (ré)	8	16	35	1	97	relative	40	155	173	155	245
regimen	1	12	2	0	9	relatively	13	45	64	22	104
regiment	21	57	75	79	171	relax	17	57	193	24	39
regimental	1	7	13	6	8	relaxation	4	18	40	2	15

relay to repetition

	G	T	L	J	S		G	T	L	J	S
relay	3	16	14	15	9	remotely	2	9	18	1	8
release	37	160	253	92	164	removable	1	2	11	1	6
relegate	1	3	6	1	12	removal	11	50	29	39	97
relent	5	57	14	11	11	remove	AA	362	535	445*	511
relentless	4	16	33	8	26	removed (adj.)	7	28	41	34*	40*
reliability	1	14	3	0	4	remover	1	14	4	0	0
reliable	10	57	78	8	44	remuneration	1	12	2	1	20
reliance	3	18	7	9	27	remunerative	2	7	3	3	26
relic	12	90	30	44	57	renaissance (R)	8	16	12	76	53
relief	A	235	491	285*	334	rename	1	11	2	4	10
relieve	46	220	236	220*	165	rend	8	115	9	13	22
religion	A	210	165	210*	409	render	A	245	89	245*	436
religious	A	226	162	226*	441	rendezvous	3	16	20	9	13
religiously	1	4	10	4*	3	René	1	2	6	0	10
relinquish	5	28	26	9	33	renegade	1	8	3	9	3
relish	10	57	66	34	37	renew	33	230	96	152*	130
reload	1	7	7	7	4	renewal	4	28	15	9	23
reluctance	5	16	35	16	34	Reno	4	3	48	7	16
reluctant	6	32	41	17	34	renominate	1	3	14	0	14
reluctantly	7	25	71	15	32	renounce	8	90	11	15	42
rely	13	57	68	47	72	renovate	1	12	13	1	5
remain	AA	M	867	M*	M	renown (ed)	16	160	13	65	64
remainder	17	160	42	42	73	rent	23	320	277	320*	422
remark	A	160	547	160*	641	rental	2	10	6	2	24
remarkable	35	136	149	193	168	renter	1	12	4	0	11
remarkably	6	24	27	28	46	renunciation	2	10	10	4	17
remarriage	1	2	8	0	12	reopen	3	18	11	2	24
Rembrandt	1	2	1	20	6	reorganization	4	11	25	3	48
remedial	1	7	2	0	12	reorganize	3	16	12	1	32
remedy	36	235	80	166*	184	repaid	3	16	28	13	10
remember	AA	M	M	M*	777	repair	47	340	114	212*	181
remembrance	12	115	19	51	48	repairer	17	16	0	1	1
remind	46	130	331	112	262	reparation	8	12	8	6	127
reminder	4	16	28	25	17	repartee	1	10	10	1	4
reminiscence	3	12	20	6	16	repass	1	12	3	5	6
reminiscent	3	6	25	4	29	repast	5	50	12	22	19
remission	1	18	2	2	0	repay	12	115	49	27	37
remit	5	90	3	3	8	repeal	10	57	18	14	98
remittance	2	28	6	1	5	repeat	A	357	496	357*	317
remnant	13	115	24	43	53	repeated (adj.)	14	63	87	63*	54
remodel	7	50	63	1	16	repeatedly	6	14	42	18	46
remonstrance	2	18	3	12	13	repel	7	57	11	24	35
remonstrate	4	16	32	16	14	repent	15	160	18	34	60
remorse	7	57	44	13	23	repentance	6	57	9	15	28
remorseful	1	6	13	2	4	repentant	1	18	4	6	4
remorseless	1	14	2	4	8	repertoire	1	6	18	1	8
remote	23	106	112	80	128	repetition	10	57	41	18	50

repine to respectability

	G	T	L	J	S		G	T	L	J	S
repine	3	57	1	4	2	Requiem (r)	1	14	1	4	8
replace	28	90	178	65	172	require	AA	700	594	700*	850
replacement	1	10	14	1	8	requirement	16	57	88	17	142
replant	1	4	10	0	4	requisite	7	57	19	13	50
replenish	5	57	13	10	12	requisition	2	12	9	16	12
replete	2	16	9	1	10	requite	3	57	1	8	5
replica	1	5	23	1	6	reread	1	1	18	5	6
reply	AA	700	M	700*	663	rescind	1	8	2	1	7
report	AA	700	751	700*	M	rescue	30	160	105	132	143
reporter	16	28	156	26	83	rescuer	1	7	6	8	6
repose	19	160	36	45	107	research	22	28	150	27	192
repository	1	10	1	1	7	resemblance	10	50	41	39	64
reprehensible	1	8	4	1	10	resemble	29	130	116	93	199
represent	A	350	249	350*	700	resent	16	57	137	29	81
representation	13	90	26	27	108	resentful	4	5	48	8	10
representative	A	210	152	210*	489	resentfully	1	2	14	4	2
repress	4	28	21	12	17	resentment	12	50	95	16	64
repression	2	18	16	2	15	reservation	17	57	117	14	127
reprieve	1	16	3	4	0	reserve	A	190	212	190*	360
reprimand	2	16	8	2	12	reserved (adj.)	2	10	11	10	19
reprint	3	8	23	3	36	reservoir	8	50	16	31	47
reprisal	1	11	8	3	12	reside	12	130	13	18	55
reproach	17	160	71	40	48	residence	25	160	80	57	156
reproachful	1	7	10	4	5	resident	14	90	47	30	94
reproachfully	1	9	15	8	2	residential	2	10	31	2	9
reprobate	1	16	1	1	4	residue	2	18	7	7	19
reproduce	10	57	33	15	92	resign	26	160	104	48	157
reproduction	9	57	43	2	45	resignation	11	50	65	5	82
reproductive	1	12	5	0	8	resin	3	18	8	12	22
reproof	4	57	15	6	11	resinous	1	4	1	11	7
reprove	5	57	18	8	12	resist	29	130	139	112	153
reptile	8	50	14	49	34	resistance	26	57	79	104	237
republic	40	160	65	123	383	resistant	1	8	8	5	10
republican	8	12	8	41	99	resolute	8	67	19	36	34
Republican	A	103	64	10	842	resolutely	6	48	30	17	18
repudiate	3	12	11	4	43	resolution	27	90	109	60	243
repudiation	1	5	6	0	12	resolve	39	291	85	191*	140
repugnance	1	14	4	7	5	resolved (adj.)	6	39	18	39*	29
repugnant	1	14	1	4	11	resonance	1	7	2	8	2
repulse	6	50	13	23	31	resonant	1	8	4	8	10
repulsion	1	5	4	2	8	resort	29	160	127	48	190
repulsive	2	10	14	7	12	resound	9	90	24	43	21
reputable	3	18	23	4	12	resource	20	57	108	64	141
reputation	30	115	176	62	193	resourceful	1	4	13	8	5
repute	5	38	17	17	23	resourcefulness	1	1	6	4	14
reputed	2	19	8	7	14	respect	A	320	349	320*	589
request	A	290	191	240*	238	respectability	1	10	7	2	7

respectable to revile

	G	T	L	J	S		G	T	L	J	S
respectable	13	55	92	35	69	reticent	1	3	10	1	6
respectful	6	44	24	19	27	retina	1	16	1	0	3
respectfully	7	46	28	31	24	retinue	3	15	5	19	12
respecting	5	10	8	10	73	retire	48	245	165	217*	242
respective	8	44	19	23	60	retired (adj.)	4	25	17	22*	25
respectively	8	46	12	12	89	retirement	8	50	16	14	75
respiration	4	57	2	7	19	retiring (adj.)	2	10	7	9*	10
respiratory	1	12	9	1	12	retort	15	28	140	55	59
respite	4	57	13	2	15	retouch	1	12	3	0	3
resplendent	5	57	13	14	8	retrace	3	25	19	9	11
respond	23	90	146	81	97	retract	2	12	13	2	10
response	18	90	120	38	89	retreat	37	160	105	158	255
responsibility	38	50	333	75	228	retrench	1	16	2	0	1
responsible	35	57	267	66	255	retribution	1	12	7	1	10
responsive	2	16	21	4	12	retrieve	3	16	30	4	11
rest	AA	M	M	M*	M	retrograde	1	10	0	1	11
restaurant	23	115	235	14	64	retrospect	1	11	8	2	2
restful	3	14	30	8	8	return	AA	700	M	M*	M
restitution	1	16	2	5	6	Reuben	4	57	7	9	0
restive	1	4	9	6	5	reunion	4	12	34	3	29
restless	23	134	126	93	66	reunite	3	18	12	7	20
restlessly	4	26	28	23	4	Rev.	2	28	8	1	0
restlessness	4	12	29	17	14	reveal	A	200	243	200*	277
restoration (R)	11	57	22	9	123	revel	9	90	29	26	31
restorative	1	12	3	3	1	revelation (R)	11	57	66	3	85
restore	49	245	128	245*	278	revelry	3	50	3	9	8
restorer	1	14	1	0	8	revenge	29	200	54	158*	116
restrain	19	160	89	48	60	vengeful	1	14	3	5	2
restraint	11	90	45	19	49	revenue	19	90	43	21	189
restrict	9	18	39	12	105	reverberate	1	11	7	2	14
restriction	11	50	42	4	114	reverberation	1	11	0	7	5
restrictive	1	3	5	0	14	revere	5	48	18	14	16
result	AA	430	898	430*	M	Revere	1	9	0	3	6
resultant	2	10	15	2	23	reverence (R)	14	130	20	50	61
resume	27	130	109	103	153	reverend (R)	11	115	24	11	65
resumption	2	8	3	2	27	reverent	2	25	10	6	8
resurrection	3	28	7	10	23	reverential	1	10	2	8	4
retail	9	57	63	1	54	reverently	3	32	14	12	6
retailer	3	14	27	1	21	reverie	1	6	14	4	11
retain	36	160	142	54	293	reversal	1	6	7	1	9
retainer	4	14	6	41	13	reverse	20	115	85	36	139
retake	1	6	2	1	11	reversion	1	16	3	0	9
retaliate	2	12	8	5	12	revert	5	50	27	5	24
retaliation	1	10	4	3	11	revery	1	28	3	0	0
retard	5	16	24	8	47	review	45	270	155	182*	209
retention	1	12	4	2	12	reviewer	1	5	10	0	18
reticence	2	10	22	1	14	revile	4	57	1	8	9

revise to ringed

	G	T	L	J	S		G	T	L	J	S
revise	8	57	19	5	77	riches	20	130	58	130	50
revision	5	15	19	0	69	richly	9	?	31	?	53
revisit	1	8	9	7	8	Richmond	14	90	23	49	90
revival	9	28	30	14	97	richness	4	14	25	18	28
revive	17	115	53	42	109	Richter	1	2	15	1	4
revoke	2	28	5	2	15	rick	2	6	32	1	5
revolt	22	110	78	40	173	rickets	2	12	25	0	9
revolting (adj.)	1	5	3	3	8	rickety	2	7	17	10	6
revolution	A	130	158	138	484	Rico	1	5	6	2	5
revolutionary	16	57	56	23	162	rid	33	200	143	152*	94
revolutionist	1	14	10	3	6	riddance	1	14	1	3	1
revolutionize	3	14	14	9	21	ridden	8	18	31	56	50
revolve	9	90	43	65	70	riddle	12	130	48	30	17
revolver	9	28	74	21	50	ride (ing)	AA	M	678	?	703
revue	1	1	12	0	14	rider	20	130	59	122	55
revulsion	2	10	16	3	14	ridge	31	210	111	141*	103
reward	43	240	154	194*	188	ridgepole	1	3	6	9	0
rewrite	1	11	9	0	9	ridicule	9	50	44	20	50
Rex	2	16	30	0	0	ridiculous	17	54	154	52	38
Reynard (r)	5	57	10	28	2	ridiculously	1	3	11	4	2
Reynolds	3	7	25	17	12	rife	1	16	1	7	9
rhapsody	1	10	10	6	6	rifle	31	90	181	132	171
rhetoric	4	50	6	3	24	rifleman	3	3	0	36	16
rhetorical	1	8	2	0	16	rift	3	28	10	10	10
rheumatic	2	10	34	2	1	rig	6	35	26	41	18
rheumatism	7	57	18	15	44	rigging	3	18	11	26	8
Rhine	12	90	6	35	87	right	AA	M	M	M*	M
Rhineland	1	2	0	21	8	right angle (d)	1	2	4	1	15
rhino	1	0	17	0	2	righteous	9	90	22	14	44
rhinoceros	4	50	4	5	15	righteousness	5	57	13	6	22
Rhode Island	2	28	7	19	6	rightful	5	40	10	36	15
Rhodes	2	11	10	1	28	rightfully	1	10	3	10	2
Rhone (ône)	1	16	4	0	4	right-hand	7	48	23	12	47
rhubarb	3	12	50	3	1	rightly	8	?	30	?	48
rhyme	14	160	30	30	47	rigid	11	42	90	30	53
rhythm	7	18	70	18	35	rigidity	1	11	6	0	13
rhythmic	2	7	18	2	23	rigidly	4	15	38	6	19
rhythmical	1	7	15	3	5	rigor (our)	4	57	6	8	13
rib (bed)	31	220	85	220*	42	rigorous	2	8	11	5	22
ribald	1	10	5	1	6	rigorously	1	4	6	2	6
ribbon	1	18	0	1	0	Riley	3	3	51	0	3
ribbon (ed)	36	280	147	167*	54	rill	8	130	4	5	12
rice	38	200	203	171*	110	rim	12	90	48	37	47
rich	AA	M	656	?	701	rime	3	16	8	9	21
Richard	A	130	248	613	122	rind	6	50	59	12	3
Richardson	3	5	33	2	18	ring	AA	700	622	700*	510
Richelieu	1	7	1	2	8	ringed (adj.)	6*	?	?	?	?

ringer to Roquefort

	G	T	L	J	S		G	T	L	J	S
ringer	1	14	1	1	3	robust	4	16	24	20	22
ringleader	1	8	4	2	9	Roche	2	2	48	0	2
ringlet	2	28	4	6	6	Rochester	7	50	18	1	58
rinse	5	16	63	4	8	rock	AA	M	599	?	678
Rio	3	2	17	8	44	Rockefeller	3	4	36	2	15
riot	14	115	50	28	66	rockier	2	8	13	16	3
riotous	3	28	19	7	8	rocket	4	28	80	13	14
rip	19	145	93	22	288	Rockies	1	3	0	19	0
ripe	34	280	67	186*	92	rocky (R)	30	130	58	170	154
ripen	13	130	28	42	38	rod	44	330	114	231*	132
ripeness	1	14	0	3	2	rode	A	290	174	290*	264
ripping (adj.)	3	15	16	2	22	rodent	2	11	3	19	18
ripple	17	90	44	116	56	Rodin	1	0	8	6	18
rise	AA	700	581	700*	731	roe	4	57	5	4	12
risen	12	50	73	50	52	roebuck	1	12	3	2	4
risk	40	130	272	128	199	Roger	22	90	252	26	32
risky	2	5	18	8	6	Rogers	3	2	51	4	14
rite	10	90	17	24	53	rogue	11	90	11	72	41
ritual	4	14	27	5	37	roguish	1	8	7	3	5
rival	32	160	122	114	186	Roland	8	57	6	75	12
rivalry	5	28	21	13	39	role (rôle)	11	28	113	7	73
river	AA	M	455	M*	M	roll (ing)	AA	M	870	?	440
riverside	4	42	20	9	7	roller	11	90	42	35	44
Riverside	1	15*	0	8	6	rollicking	1	4	11	0	6
rivet	6	50	19	16	30	Roman	A	320	67	320*	616
Riviera	1	3	12	0	4	romance (R)	25	57	208	52	142
rivulet	5	57	5	11	17	Romanesque	1	2	0	1	19
roach	1	12	14	2	0	romantic	20	57	191	29	98
road	AA	M	915	M*	929	Rome	A	290	92	290*	596
roadside	8	57	26	47	24	Romeo	5	50	26	0	20
roadstead	1	7	1	0	12	romp	4	18	20	25	8
roadster	5	11	91	0	0	rondo	1	0	16	2	1
roadway	5	16	16	35	25	rood	1	14	0	2	8
roam	19	160	56	90	51	roof	AA	700	417	470*	228
roan	2	2	23	8	3	roofing (n.)	1	16	1	1	13
Roanoke	1	7	4	6	12	rooftree	1	4	6	8	0
roar	A	370	269	280*	189	rook	4	57	10	13	5
roast	31	245	156	139*	33	room	AA	M	M	M*	850
rob	41	250	145	250*	102	roommate	1	1	26	2	4
robber	27	220	27	220*	36	roomy	2	14	18	13	8
robbery	9	57	56	22	34	Roosevelt	24	28	220	16	176
robe	31	240	77	159*	88	roost	5	16	27	53	10
Robert	49	250	281	250*	108	rooster	6	90	8	13	9
Roberts	3	6	44	4	6	root	A	410	227	410*	306
robin	48	280	22	280*	266	rooter	2	0	8	0	41
Robin Hood	33	100	1	294	201	rope	A	310	244	241*	172
Robinson	8	57	62	12	24	Roquefort	1	2	22	0	0

Rosa to rung

	G	T	L	J	S		G	T	L	J	S
Rosa	3	11	55	0	4	Roy	14	28	223	4	12
Rosalie	4	0	89	0	0	royal	A	340	202	340*	448
Rosalind	1	12	19	1	2	royalist	4	10	5	20	54
Rosamond	1	16	13	0	0	royally	1	7	6	7	6
rosary	1	14	0	6	5	royalty	10	57	64	26	48
rose	AA	700	801	700*	728*	rub	47	280	249	199*	118
roseate	1	8	14	3	6	rubber	35	210	169	159*	108
rosebud	5	57	24	4	7	rubbish	8	57	31	47	17
rose-colored	1	0	14	1	3	rubble	1	7	7	1	10
rosemary	1	7	18	4	2	Rubens	1	2	6	20	5
rosette	2	12	30	8	1	Rubicon	1	14	1	3	0
rosewood	1	11	8	0	5	ruby	10	90	27	39	24
rosin	1	14	0	7	2	rudder	6	28	11	50	23
Ross	7	4	100	16	10	ruddy	9	57	29	45	41
rostrum	1	12	8	0	3	rude	36	214	91	214*	131
rosy	12	90	49	44	35	rudely	5	31	23	31	9
rot	8	57	54	10	35	rudeness	1	14	7	5	3
rotary	4	57	18	2	10	rudiment	3	50	5	7	5
rotate	6	28	9	34	39	rudimentary	2	14	8	10	10
rotation	7	57	8	16	54	Rudolph (olf)	3	4	41	6	12
rote	1	12	2	0	4	rue	7	57	51	21	7
rotten	14	90	93	44	26	rueful	1	5	11	4	4
Rouen	4	7	7	44	14	ruefully	3	13	38	9	8
rouge	9	16	116	3	32	ruff	1	10	0	11	5
rough	A	345	294	345*	343	ruffian	5	57	5	29	10
roughen	1	10	10	8	6	ruffle	12	90	77	43	17
roughly	18	85	86	85	71	Rufus	1	14	6	4	10
roughness	2	12	5	13	7	rug	40	230	262	157*	85
roulette	1	6	17	0	8	Rugby	2	2	2	33	8
Roumania	1	9	2	0	20	rugged	10	90	37	52	2
Roumanian	2	9	0	0	30	Ruhr	3	3	1	0	67
round	AA	M	800	M*	915	ruin	A	380	305	380*	358
roundabout	4	14	15	20	28	ruinous	3	28	11	4	23
Roundhead	1	3	0	25	7	rule	AA	700	581	700*	922
roundup	1	3	16	0	5	ruler	32	240	24	189*	137
rouse	25	130	115	120	93	rum	7	18	30	16	71
Rousseau	1	7	2	1	10	Rumania (n)	1	4	4	0	12
rout	8	57	17	24	54	rumble	11	57	66	49	40
route	A	230	169	230*	280	ruminate	2	28	7	0	6
routine	15	50	162	16	42	rummage	2	14	15	12	5
rove	11	130	33	27	22	rumor	18	115	81	50	85
rover	15	90	2	8	170	rump	4	57	10	5	4
row	A	700	359	450*	203	rumple	3	16	34	11	2
rowboat	2	8	20	15	4	run	AA	M	M	M	M
rowdy	1	4	13	0	5	runabout	1	12	6	0	1
rower	1	12	16	1	6	runaway	5	50	19	19	17
Rowland	4	3	52	0	18	rung	6	57	18	17	25

runner to salutary

	G	T	L	J	S		G	T	L	J	S
runner	15	90	41	91	51	safety	A	290	279	280*	178
running (n. adj.)	33	?	232	?	66	saffron	2	18	5	8	6
runway	2	7	6	20	3	sag	5	14	57	16	18
rupee	1	2	0	0	20	saga	1	7	7	10	7
Rupert	1	3	2	2	16	sagacious	3	15	4	9	25
rupture	1	12	5	3	12	sagacity	4	50	7	8	24
rural	20	160	72	24	117	sagamore	2	4	3	7	24
ruse	1	6	14	8	6	sage	15	118	48	34	71
rush	AA	700	730	700*	343	sagebrush	1	3	15	2	0
Ruskin	1	6	1	0	20	sage'y	1	12	10	2	3
Russell	3	3	13	9	38	Sahara	1	14	2	2	17
russet	4	50	3	14	8	sahib	1	3	5	11	1
Russia (r)	A	115	182	115*	654	said	AA	M	M	M	M
Russian	A	115	221	115*	537	sail	AA	700*	370	700*	495
rust	18	160	30	67	77	sailboat	2	8	11	18	0
rustic	11	115	17	43	25	sailor	A	310	200	310*	178
rustle	21	115	64	154	46	saint	A	310	118	295*	458
rusty	17	90	147	44	27	saintly	1	16	3	7	4
rut	3	12	33	7	9	saith	6	57	1	29	?
Ruth	27	160	261	13	64	sake	A	290	314	290*	247
ruthless	5	32	38	3	24	sal	1	3	16	10	4
ruthlessly	3	18	26	4	6	salad	28	90	403	6	13
rye	10	115	24	16	30	Salamanca	1	5	0	10	16
						salamander	2	50	0	3	0
Sabbath	9	90	20	16	39	Salamis	1	2	0	1	24
saber	4	18	23	19	16	salaried	2	0	18	0	18
Sabine	2	12	9	7	9	salary	A	200	325	200*	185
sable	9	57	27	60	33	sale	A	290	403	290*	399
sac	1	16	2	2	5	Salem	4	18	18	3	40
sack (ing)	30	245	90	155*	64	salesman	16	57	171	9	65
sackcloth	1	16	1	1	3	salesmanship	1	5	17	0	10
sacrament	2	18	8	8	13	saleswoman	1	1	17	0	3
Sacramento	4	12	19	23	20	salient	2	12	8	1	15
sacred	38	210	102	172*	203	saline	1	6	5	0	7
sacrifice	A	245	237	245*	238	Salisbury	4	28	6	7	34
sacrificial	1	6	2	2	11	saliva	3	50	2	15	3
sad	A	500*	202	500*	230	sallow	3	18	30	7	3
sadden	3	28	16	12	14	sally (S)	28	90	366	29	30
saddle	41	270	129	203*	136	salmon	14	57	81	107	13
saddlebag	1	0	8	6	5	salon	5	12	72	2	13
saddler	1	4	9	4	3	saloon	12	12	95	16	95
Sadie	4?	12	60	0	0	salt	AA	700	682	534*	368
sadly	31	200*	102	200*	72	Salt Lake	2	0	17	6	22
sadness	11	115	43	30	26	Salt Lake City	2	0	2	6	36
safe	AA	570	550	448*	405	saltpetre (tre)	2	16	1	10	19
safeguard	10	50	47	14	76	salt-water	1	0	1	6	12
safely	24	130	132	105*	80	salty	1	2	14	14	1
						salutary	2	14	7	3	16

salutation to satr

	G	T	L	J	S		G	T	L	J	S
salutation	5	57	10	20	16	San Juan	2	5	4	22	12
salute	22	130	76	112	95	sank	32	130	194	107	?
Salvador	1	7	5	0	12	sans	1	5	7	0	16
salvage	3	10	24	3	27	Sanskrit (scrit)	1	4	1	1	26
salvation	10	90	40	14	46	Santa	3	8	46	7	2
salve	3	18	19	11	10	Santa Claus	12	130	20	6	60
Salzburg	1	2	16	0	4	Santa Fé (Fe)	3	12	10	18	15
Sam	27	57	211	25	196	Santiago	3	0	6	15	44
Samaria	1	14	0	2	4	Santo	1	6	0	3	20
Samaritan	1	16	6	2	8	sap	18	130	33	132	40
same	AA	M	M	M	M	sapling	5	50	11	23	9
Samoa	1	3	11	2	2	sapphire	6	57	25	15	19
Samoa	1	4	13	1	8	Saracen	5	50	4	12	32
sample	15	130	83	6	61	Sarah	22	57	44	299	12
sampler	1	6	6	3	3	Saratoga	2	0	10	8	20
Sampson	1	5	3	4	7	sarcasm	3	14	21	6	15
Samson	4	57	7	9	2	sarcastic	3	28	19	9	12
Samuel	15	90	58	21	102	sarcastically	1	2	15	8	5
San	6	2	17	39	66	sardine	2	18	23	6	6
San Antonio	2	1	19	4	20	Sardinia (n)	1	8	0	2	13
Sancho	1	7	1	20	4	sardonic	2	8	17	0	12
sanctify	4	57	2	3	13	sardonically	1	1	14	0	3
sanction	10	57	23	11	91	Sargent	2	4	9	1	34
sanctity	4	50	9	5	16	Sargon	1	2	0	12	4
sanctuary	7	90	23	32	37	sash	12	130	52	18	21
sanctum	1	7	7	1	9	Saskatchewan	1	0	2	3	26
sand	A	700	200	415*	344	sassafras	1	7	2	4	13
sandal	5	57	22	3	18	sat	AA	700	M	700*	677
sand hill	1	4	2	4	9	Sat.	1	11	11	0	0
San Diego	4	12	9	1	56	Satan	8	115	12	14	20
sandpaper	3	6	12	37	5	satchel	3	12	12	33	4
sandpiper	1	14	0	13	8	sate	2	28	5	3	3
sandstone	7	50	7	40	42	sateen	1	14	5	0	0
sandwich (S)	23	90	291	15	27	satellite	5	14	2	13	73
Sanwich Islands	1	10*	0	10	8	satiate	1	18	3	5	3
sandy	17	90	57	98	69	satin	15	115	116	42	8
Sandy Hook	1	?	3	1	16	satire	7	57	12	2	59
sane	11	50	90	12	49	satirical	1	10	4	1	12
San Francisco	30	90	204	40	206	satisfaction	38	160	225	131	177
sang	45	290	165	219*	147	satisfactorily	5	16	28	19	35
sanguinary	1	10	0	1	15	satisfactory	24	74	154	43	167
sanguine	4	50	2	5	23	satisfy	A	360	406	360*	303
sanitarium	3	10	40	5	2	saturate	3	16	21	7	19
sanitary	7	57	29	11	43	saturation	1	12	5	0	10
sanitation	5	50	23	2	15	Saturday	A	260	M	260*	83
sanity	3	8	42	0	17	Saturn	7	18	5	51	55
San José (Jose)	1	10	3	2	4	satyr	5	50	13	22	5

sauce to schooner

	G	T	L	J	S		G	T	L	J	S
sauce	27	130	321	14	23	scandalous	3	28	18	3	18
saucepan	7	57	55	26	4	Scandinavia	1	14	3	9	6
saucer	7	57	29	24	20	Scandinavian	4	4	17	5	46
saucily	1	9	2	12	0	scarce	9	57	49	26	30
saucy	6	48	19	42	15	scanty	10	90	15	34	49
sauerkraut	1	6	20	0	5	scapegoat	1	6	6	0	6
Saul	4	57	25	2	2	scar	17	115	115	42	38
saunter	4	16	27	28	5	scarce	27	150	51	130	185
sausage	10	90	50	24	27	scarcely	A	300	292	312*	268
sauté	1	6	14	0	0	scarcity	9	50	15	30	75
savage	40	210	114	210*	193	scare	37	220	206	167*	74
savagely	7	40	44	40*	14	scarecrow	1	16	5	0	4
savagery	1	10	8	11	5	scarf	14	130	88	26	12
Savannah	4	16	10	6	56	scarlet	27	160	125	174	39
savant	1	8	5	6	6	scatter	A	340	194	252*	223
save	AA	M	872	M*	788	scavenger	1	14	10	11	0
saver	1	14	8	0	0	scenario	1	4	13	0	9
saving (s)	A	?	336	?	181	scene	AA	290	508	711*	M
savior (our)	7	90	10	20	20	scenery	11	57	53	34	62
savor (our)	6	57	19	18	22	scenic	3	18	10	3	36
savory (oury)	3	4	25	19	6	scent	24	115	137	128	65
savoy (S)	1	7	11	4	12	scepter (tre)	7	115	2	11	0
saw	AA	M	M	M	M	sceptic	1	12	0	0	16
sawdust	2	12	11	21	10	sceptical	1	3	5	1	14
sawmill	4	18	14	35	17	scepticism	1	4	1	0	21
sawyer (S)	1	5	4	5	20	schedule	14	57	124	11	72
Saxon	8	50	5	55	47	scheme (ing)	46	130	306	113	286
Saxony	2	16	1	0	21	Schenectady	?	0	0	2	48
saxophone	1	4	17	4	5	Schiller	1	12	1	1	12
say	AA	M	M	M	M	schism	1	11	2	0	13
sayeth	2*	?	0	17	?	Schleswig-Holstein	1	7	9	1	2
saying (n.)	13	?	55	?	68	scholar	20	120	47	46	152
S. C.	1	1	19	0	0	scholarly	2	10	17	3	11
scab	1	14	1	2	7	scholarship	6	14	45	10	48
scabbard	4	28	4	21	19	scholastic	1	11	4	1	19
scaffold	3	38	11	9	7	scholasticism	1	2	0	0	20
scaffolding	1	19	3	4	6	school	AA	M	M	M	M
scald	6	50	42	8	12	schoolboy	8	57	22	32	41
scale	A	410	156	310*	364	schoolfellow	1	7	0	16	2
scallop	4	18	50	14	1	schoolgirl	2	2	43	2	4
scalp	10	90	46	23	35	schoolhouse	21	160	41	130	48
scaly	4	14	2	53	8	schooling (n.)	2	?	17	?	6
scamp	1	3	10	4	2	schoolmaster	7	57	5	29	42
scamper	7	57	14	54	7	schoolmate	2	6	17	13	7
scan	8	57	39	32	19	schoolroom	7	90	10	26	11
scandal	13	57	99	12	71	schoolteacher	2	2	33	4	0
scandalize	2	14	13	8	7	schooner	11	18	30	75	84

Schubert to seashore

	G	T	L	J	S		G	T	L	J	S
Schubert	3	2	5	52	2	scribe	3	28	4	14	17
Schuyler	1	0	1	8	22	scrim	1	12	6	0	0
Schuylikill	1	0	2	6	11	scrimmage	1	2	17	8	2
science	A	200	257	403*	751	scrip	1	12	0	5	2
scientific	35	57	173	96	306	script	5	11	91	1	3
scientifically	1	6	10	3	11	scriptural	1	12	4	1	4
scientist	17	57	95	59	108	Scripture (s)	8	90	11	17	34
scimitar (ter)	1	11	3	5	2	scroll	5	57	14	13	12
scion	1	14	5	2	5	scrub	14	90	109	39	24
Scipio	1	7	0	6	20	scruple	5	57	11	16	23
scissors	8	90	29	21	17	scrupulous	3	38	10	4	17
scoff	8	90	32	15	9	scrupulously	2	19	7	9	9
scoId	19	160	77	87	29	scrutinize	4	12	28	10	23
scoop	8	57	39	46	8	scrutiny	3	14	23	11	22
scope	11	57	30	13	102	scud	2	14	7	15	5
scorch	9	90	27	38	22	scuffle	2	18	11	9	12
score	A	270	219	243*	251	scull	1	7	0	13	0
scorn	31	240	94	144*	97	scullion	1	11	0	7	3
scornful	5	26	27	20	19	sculptor	9	50	22	57	49
scornfully	6	31	33	34	14	sculpture	12	57	48	15	98
scorpion	3	28	6	18	8	scum	2	18	13	13	2
Scot (s)	13	90	18	88	54	scurry	5	18	20	43	9
Scotch (s)	16	111	70	55	55	scurvy (ily)	2	18	6	11	9
Scotchman	1	4	4	13	9	scuttle	5	50	20	17	14
Scotland	30	115	58	146	226	Scylla	1	18	1	1	4
Scott	17	50	50	120	96	scythe	5	50	4	37	15
Scottish	9	28	35	15	84	sea	AA	M	595	M*	M
Scotty	1	0	19	0	9	seaboard	3	12	10	16	30
scoundrel	5	50	17	10	20	sea-captain	1	0	2	11	7
scour	8	90	20	24	25	seacoast	5	57	8	24	9
scourge	10	115	25	22	22	seafaring	2	14	4	20	12
scout	37	115	108	53	395	seagoing	1	4	7	6	4
scoutmaster	1	0	0	0	21	seal	45	310	154	220*	131
scow	3	4	2	55	4	sea level	3	4	2	2	49
scowl	10	50	72	37	21	seam	13	115	75	38	16
scramble	17	57	98	112	45	seaman	5	50	22	12	14
scrap	18	115	97	49	71	seamen	8	90	0	59	0
scrapbook	2	4	29	3	2	seamstress	1	6	3	11	0
scrape	18	160	72	62	40	seaplane	1	2	5	0	11
scraper	2	28	12	5	4	seaport	5	57	9	13	17
scratch	30	220	116	146*	71	sear	4	18	44	4	14
scrawl	3	18	36	6	5	search	A	390	407	390*	277
scream	47	200	363	200*	95	searcher	1	7	5	3	10
screech	8	50	35	61	13	searchingly	1	1	11	0	8
screen	39	130	306	99	168	searchlight	2	11	16	9	9
screw	20	90	79	124	70	sea rover	1	1	0	16	1
scribble	3	28	21	7	8	seashore	9	50	20	60	33

seasick to self-reliance

	G	T	L	J	S		G	T	L	J	S
seasick	1	12	5	7	5	seductive	1	11	12	4	3
seaside	4	50	8	9	7	sedulous	1	14	3	0	4
season	AA	695	627	597*	497	see	AA	M	M	M	M
seasonable	1	12	4	2	4	seed	A	700	244	496*	292
seasonal	2	8	24	0	19	seedless	1	4	14	0	2
seasoning	3	5	50	3	2	seedling	5	50	32	3	9
seat	AA	700	713	700*	579	seeing (n. adj.)	17	?	90	?	63
Seattle	2	11	34	2	0	seek	AA	700	288	567*	444
seaward (s)	4	50	8	10	20	seeker	2	6	20	12	11
seaweed	6	12	15	69	12	seem	AA	M	M	M	M
Sebastian	1	14	2	6	0	seeming (adj.)	7	?	46	?	25
secede	3	16	0	4	36	seemingly	8	16	65	29	47
secession	2	12	1	6	27	seemly	1	12	0	6	9
seclude	1	10	0	3	6	seen	AA	M	M	M*	980
secluded (adj.)	2	6	21	10	4	seep	1	7	14	7	1
seclusion	3	12	15	15	12	seer	4	50	5	15	5
second	AA	M	926	M*	M	seesaw	1	7	2	7	6
secondary	12	57	44	12	113	seethe	5	50	34	10	12
second-class	1	0	5	0	27	segment	5	57	9	14	16
second-hand	4	6	42	9	19	segregate	1	5	6	3	8
secondly	6	28	16	18	51	segregation	1	11	5	0	6
secrecy	7	50	31	17	32	seine	1	10	10	0	3
secret	A	380	453	380*	400	Seine	2	20	0	22	10
secretary	A	160	303	117	603	seize	A	700	249	502*	304
secrete	2	18	4	13	3	seizure	3	28	7	2	22
secretion	3	50	1	6	10	Selden	1	6	8	0	8
secretly	14	40	107	40*	69	seldom	A	290	327	290*	183
sect	6	57	9	7	41	select	A	280	327	280*	255
section	A	310	294	310*	595	selection	17	57	131	39	93
sectional	1	12	5	3	11	selective	1	10	6	0	10
sectionalism	2	1	38	0	0	selectman	1	4	4	13	2
sector	2	8	14	1	21	self	A	700	115	325*	161
secular	5	50	3	5	45	self-confidence	1	1	15	2	10
secure	A	385	353	385*	564	self-conscious	4	1	58	7	8
securely	5	25	29	25	28	self-consciousness	1	4	7	2	5
security	34	90	234	33	258	self-contained	1	1	7	3	8
sedan (S)	2	18	18	2	5	self-control	4	4	42	20	20
sedate	1	7	8	6	3	self-defense (c)	2	11	20	6	9
sedately	1	5	9	7	2	self-denial	1	5	18	5	0
sedative	1	7	13	0	1	self-government	3	6	7	16	32
sedentary	2	28	3	1	4	selfish	20	123	137	54	56
sedge	4	50	2	15	6	selfishly	1	7	9	3	2
sediment	3	18	7	14	30	selfishness	6	28	56	10	20
sedimentary	1	4	2	10	7	self-pity	1	0	18	1	1
sedition	2	16	2	1	31	self-possession	1	4	7	12	7
seduce	3	57	3	6	4	self-preservation	1	1	5	2	10
seduction	1	4	9	0	5	self-reliance	1	3	14	3	5

self-reliant to session

	G	T	L	J	S		G	T	L	J	S
self-reliant	1	0	11	8	10	sentimentality	1	5	13	0	10
self-respect	3	6	35	1	17	sentinel	10	18	20	92	53
self-respecting	1	0	13	2	13	sentry	5	14	27	32	31
self-sacrifice	1	5	11	4	6	sepal	1	18	1	1	2
self-same	6	90	0	11	11	separable	1	5	0	2	11
self-sufficiency	1	3	3	0	12	separate	A	454	309	454*	498
self-supporting	1	2	17	6	0	separately	9	46	45	46	38
sell	AA	700	694	500*	494	separation	14	90	53	33	78
seller	12	50	52	3	114	separator	1	14	4	0	7
selves	2	12	13	4	0	Sept.	1	16	4	0	0
semblance	6	57	25	15	28	September	A	430	330	374*	362
semester	1	7	13	0	1	sepulcher (re)	5	57	8	4	22
semicircle	2	12	8	11	14	sepulchral	2	28	2	2	6
semicircular	1	12	7	3	13	seq.	1	4	0	0	15
seminary	4	11	9	15	41	sequel	2	28	3	6	14
Seminole	1	2	19	0	6	sequence	6	50	28	5	35
Semitic	1	6	0	11	14	sequester	4	57	1	2	15
sen	1	0	1	20	4	sequoia	1	6	1	1	10
senate	A	200	112	200*	533	seraph	1	18	0	1	2
senator	A	130	159	49	754	Serbia	1	12	0	0	20
senatorial	2	10	8	3	32	Serbian	1	6	0	0	12
send	AA	M	746	M*	863	sere	1	16	2	2	5
sender	1	4	5	1	11	serenade	1	14	9	8	4
Seneca	1	12	0	0	16	serene	11	72	68	24	43
seneschal	2	11	0	12	25	serenely	2	18	24	2	9
senior	10	57	94	19	27	serenity	2	10	18	12	10
señor	7	2	75	30	32	serf	4	50	2	30	7
señora	2	0	12	26	3	serge	4	50	17	10	2
señorita	1	0	0	25	2	sergeant	18	50	180	21	80
sensation	20	57	124	38	156	serial	2	14	27	0	9
sensational	5	14	46	1	41	series	A	115	293	85	482
sense	AA	360	M	360*	933	serious	A	175	498	175*	498
senseless	7	57	29	20	26	seriously	30	70	230	70	178
sensibility	3	28	13	3	21	seriousness	4	16	38	11	23
sensible	22	99	143	46	113	sermon	15	90	74	52	66
sensibly	3	16	22	6	20	serpent	18	130	11	138	54
sensitive	19	57	124	83	86	serpentine	1	11	3	5	1
sensitiveness	3	8	11	11	32	serum	3	16	35	7	8
sensory	1	11	2	1	11	servant	A	420	370	344*	243
sensual	2	28	10	0	10	serve	AA	M	1195	M*	957
sensuous	1	11	10	0	8	server	2	18	18	14	0
sent	AA	M	763	M*	863	Servia (n)	1	4	0	0	16
sentence	49	235	215	235*	207	service	AA	700	970	700*	M
sententious	1	12	6	0	4	serviceable	3	16	12	25	17
sentiment	29	90	105	41	290	servile	3	57	5	5	4
sentimental	9	50	84	7	29	servitude	4	57	4	5	12
sentimentalist	1	7	9	1	5	session	19	57	110	39	146

set to sheathe

	G	T	L	J	S		G	T	L	J	S
set	AA	M	M	M	M	shaky	3	6	33	15	10
settee	1	14	11	4	6	shale	5	15	10	25	41
setter	1	7	0	7	7	shall	AA	M	708	M*	M
setting (n.)	8	?	35	?	41	shallow	27	160	104	155	89
settle	AA	700	636	634*	567	shaft	24	200	17	200*	32*
settlement	A	235	91	235*	366	sham	3	28	10	17	10
settler	20	130	20	120	101	shambles	2	16	6	15	6
seven	AA	700	615	635*	570	shame	A	350	210	314*	278
seventeen	23	115	139	69	91	shamefaced	1	4	8	7	1
seventeenth	5	18	25	35	26	shamefacedly	1	3	11	1	3
seventh	24	220	59	111*	53	shameful	9	68	25	19	51
seventy	44	350	59	202*	198	shamefully	2	22	6	11	14
seventy-five	4	7	61	6	0	shameless	2	17	16	4	10
sever	8	90	19	16	33	shamelessly	1	11	15	0	5
several	AA	M	827	M*	M	shampoo	1	8	17	1	0
severally	1	?	0	?	15	Shangtai (s)	5	12	26	5	54
severance	1	5	5	9	6	shank	2	18	6	13	8
severe	38	185	119	185*	202	shan't	5	16	44	32	3
severely	13	65	57	65	57	Shantung (s)	1	7	6	0	14
severity	7	57	17	17	42	shanty	6	6	60	33	19
Seville	2	8	4	6	22	shape	AA	700	407	551*	402
sew	34	292	151	156*	26	shapeless	5	57	16	15	12
sewage	1	16	4	0	15	shapely	2	8	18	11	3
sewer	7	47	22	37	26	share	AA	400	645	400*	492
sewing	10	88	45	47*	8	shareholder	1	4	14	2	13
sex	26	115	180	27	155	shark	7	28	15	25	62
sexton	2	18	3	24	6	Sharon	9	6	164	0	8
sexual	4	50	18	0	15	sharp	A	?	324	?	312
Seymour	1	7	7	5	4	sharpen	12	130	32	39	30
shabby	11	28	126	33	18	sharply	36	?	261	?	66
shack	7	12	104	5	8	sharpness	2	16	8	9	7
shackle	2	28	11	3	8	sharpshooter	1	3	10	6	9
shad	1	14	4	4	0	Shasta	1	3	1	6	8
shade	AA	687	520	478*	227	shatter	16	115	73	39	61
shading (n.)	2	13	10	9*	4	shave	12	74	62	48	46
shadow	A	420	491	420*	311	shaven	1	11	8	6	9
shadowy	10	57	52	43	30	shaving (n.)	4	30	36	15	7
shady	12	130	29	46	22	Shaw	7	4	33	32	62
shaft	25	130	61	130	132	shawl	9	57	37	42	29
shag	1	11	4	9	0	shay	1	7	4	5	2
shaggy	7	57	27	40	10	she	AA	M	M	M	M
Shah	1	2	2	0	16	sheaf	5	57	30	10	8
shake	A	500	208	327*	134	shear	12	108	38	34	46
shaken	25	200	83	130*	53	shearer	1	4	16	1	0
shaker (S)	2	14	20	4	4	shears	3	22	13	13	12
Shakespeare	24	57	44	78	270	sheath	9	57	12	47	48
shakily	1	0	18	0	0	sheathe	1	16	0	9	4

sheaves to shot

	G	T	L	J	S		G	T	L	J	S
sheaves	3	57	3	0	?	shipbuilding	3	6	6	4	45
Sheba	1	16	4	0	2	shipment	9	90	26	8	50
shed	45	350	126	203*	134	shipowner	1	4	0	3	16
she'd	27	3	498	1	0	shipper	2	14	5	5	14
sheen	2	18	13	9	6	shipping	24	?	74	?	144
sheep	A	700	86	500*	195	shipwreck	6	57	9	22	33
steepish	1	6	17	11	1	shipyard	2	12	2	9	16
sheepskin	2	7	13	16	8	shire	1	16	0	8	10
sheer	19	50	188	45	64	shirk	3	6	15	20	18
sheet	A	410	338	297*	183	Shirley	3?	6	53	0	2
Sheffield	1	10	1	0	14	shirt	47	250	264	214*	128
sheik (kh)	2	5	12	3	25	shirt-sleeve	1	0	5	4	10
Sheldon	1	2	6	0	10	shiver	26	160	132	128	65
shelf	11	50	100	31	34	shoal	8	50	8	45	45
shell	A	410	218	410*	244	shock	A	260	344	280*	200
she'll	14	4	251	6	0	shocking	4	20	40	4	12
shellac	2	12	20	2	8	shod	3	28	9	16	2
Shelley	9	4	138	6	16	shoddy	1	3	18	1	13
shellfish	1	7	4	6	9	shoe	AA	700	536	534*	367
shelter	A	340	173	250*	161	shoemaker	11	130	5	39	34
shelve	2	15	9	11	8	shoestring	1	0	19	3	0
shelves	11	48	95	34	34	shone	34	220	91	220*	81
Shenandoah	2	1	7	13	16	shook	A	310	704	310*	191
shepherd	30	270	44	171*	72	shoot	A	340	315	340*	185
shepherdess	1	14	3	3	0	shooter	1	14	14	0	0
sherbet	2	11	26	1	0	shop	AA	700	639	483*	266
Sherborne	3	2	57	0	3	shopkeeper	3	14	14	6	24
Sheridan	5	8	54	7	30	shopman	1	6	1	4	7
sheriff	37	57	111	411	90	shopper	1	0	16	0	3
Sherman	10	11	71	16	92	shore	AA	700	240	630*	560
sherry	2	11	20	2	8	shoreline	1	0	1	3	22
Sherwood	5	4	26	59	3	shoreward	1	8	3	3	4
she's	A	18	M	61	0	shorn	4	50	9	12	12
Shetland	1	11	6	7	4	short	AA	M	887	M*	M
shew	3	57	1	5	0	shortage	8	12	35	1	97
shield	47	240	44	240*	327	shortcake	1	5	22	1	2
shift	35	160	209	103	171	shortcoming	2	8	17	3	20
shiftless	2	10	16	9	4	shorten	8	57	22	29	51
shilling	16	57	32	130	69	shortening (n.)	6	2	108	2	0
Shiloh	1	14	4	10	4	shorthand	1	6	15	0	5
shimmer	5	10	41	26	15	short-lived	2	10	9	7	15
shin	5	28	51	13	8	shortly	36	165	200	165	130
shine	A	700	328	441*	294	shortness	1	12	2	1	8
shingle	8	50	60	16	26	shorts	2	0	39	0	0
shiny	7	14	60	45	18	short-sighted	2	10	7	9	10
ship	AA	M	678	M*	M	Shoshone	1	2	3	16	6
shipboard	1	5	16	7	4	shot	AA	350	793	350*	465

shotgun to signor

	G	T	L	J	S		G	T	L	J	S
shotgun	3	11	33	8	4	shyness	3	12	26	9	8
should	AA	M	M	M	M	Siam	1	7	6	0	6
shoulder	AA	700	M	700*	483	Siberia	5	11	16	34	34
shouldn't	16	0	254	43	0	Siberian	3	7	18	2	39
shouldst	3	18	0	33	17*	sibyl	1	16	4	3	1
shout	AA	700	562	509*	317	Sicilian	5	57	1	18	16
shove	15	90	110	48	27	Sicily	8	28	0	48	82
shovel	14	115	47	60	45	sick	AA	700	615	460*	220
show	AA	M	M	M	M	sicken (ing)	9	57	66	13	26
shower	41	310	147	200*	90	sickle	5	57	4	33	10
showman	2	5	11	16	9	sickly	6	57	35	11	13
shown	A	?	381	?	509	sickness	25	210	62	133	55
showy	2	10	10	8	13	side	AA	M	M	M	M
shrank	5	28	32	28	21	sideboard	3	28	16	9	7
shrapnel	1	7	5	0	6	sidelong	1	16	9	5	6
shred	9	50	79	28	15	sidereal	2	4	1	0	39
Shreveport	1	0	11	1	10	side-step	1	1	12	1	9
shrew	4	50	1	20	3	sidetrack	1	2	5	2	9
shrewd	13	70	77	46	49	sidewalk	18	130	123	27	53
shrewdly	3	20	23	18	7	sideways	4	12	26	28	13
shrewdness	2	10	15	11	13	sidewise	3	6	22	21	4
shriek	26	160	101	141	70	siding	1	3	20	1	7
shrike	1	4	0	18	0	sidle	2	14	15	11	6
shrill	17	104	83	87	42	Sidney	8	16	100	14	18
shrilly	4	26	29	20	4	siege	16	90	17	39	146
shrimp	3	11	24	25	4	Siegfried	6	2	6	91	20
shrine	15	115	33	43	82	Siena	4	3	3	14	64
shrink	14	90	63	58	56	sierra (S)	3	11	17	15	18
shrinkage	1	7	9	0	19	sieve	6	57	33	10	16
shrivel	5	18	25	42	7	sift	16	115	126	31	20
shroud	9	90	18	18	36	sigh	A	360	376	360*	165
shrub	17	130	86	53	43	sight	AA	M	483	?	566
shrubbery	4	14	36	11	11	sightless	1	7	4	10	4
shrug	15	50	172	45	20	sightseeing	1	7	11	5	5
shrunk	3	28	17	15	16	sign	AA	700	865	700*	765
shrunkn	1	1	8	8	2	signal	35	121	148	152	216
shuck	1	3	15	7	7	signaling	2	9	7	8	26
shudder	15	57	135	75	50	signalize	1	10	3	6	6
shuffle	9	50	68	29	22	signature	11	90	45	18	53
shun	12	160	14	23	24	signboard	1	4	6	4	6
shunt	1	10	5	1	5	signet	3	50	0	3	4
shut	A	700	414	416*	231	significance	17	57	96	16	137
shutter	10	57	54	42	36	significant	18	45	107	13	163
shuttle	4	16	7	45	7	significantly	2	5	16	5	13
shy	21	93	139	105	52	signification	1	5	0	3	13
Shylock	2	6	6	0	24	signify	12	90	26	39	70
shyly	5	22	44	27	4	signor	3	12	10	6	30

signora to sizzle

	G	T	L	J	S		G	T	L	J	S
signora	1	10	6	10	3	sinful	4	28	33	5	3
signorina	1	1	3	15	9	sing	AA	M	472	?	423
silence	AA	370	714	370*	374	Singapore	1	4	8	0	16
silent	A	308	469	305*	318	singe	2	14	11	2	20
silently	21	82	156	82	59	singer	20	130	97	55	90
silhouette	4	14	50	8	9	single	AA	683	560	649*	688
silica	2	10	0	22	10	single-handed	1	1	12	1	15
silicon	2	5	2	15	18	sing'ly	3	17	21	10	19
silk	A	700	358	442*	267	singsong	1	3	10	4	3
silken	11	57	43	88	23	singular	12	60	18	52	94
silkworm	2	14	2	17	12	singularly	6	30	22	19	38
silky	4	12	23	29	18	sinister	6	28	50	12	34
sili	7	57	46	24	6	sink	A	370	202	235*	100
silly	30	130	329	16	72	sinker	1	6	7	5	3
silt	1	5	4	0	23	sinner	8	90	20	10	27
silver	AA	M	334	?	853	sinuous	1	16	3	3	6
silverware	2	18	9	3	7	sinus	1	10	11	0	7
silvery	8	57	31	38	19	Sioux	3	11	8	25	15
Simeon	1	6	6	4	2	sip	8	90	20	23	13
similar	A	142	264	183	681	siphon	2	16	9	12	14
similarity	3	14	14	5	22	sir (S)	AA	700	876	700*	M
similarly	9	18	38	20	95	sire	14	160	7	78	23
simile	2	28	7	4	13	siren	7	50	51	9	16
similitude	1	18	2	0	6	Sirius	1	4	0	9	12
simmer	4	16	58	3	8	sirloin	1	16	9	0	1
Simmons	4	6	70	0	10	sirrah	2	10	0	36	7
Simon	11	90	51	47	18	sirup	7	18	113	2	0
simper	1	14	1	0	5	sis	1	11	11	7	0
simple	AA	700	906	700*	721	sissy	1	3	19	0	0
simpleton	1	10	5	6	5	sister	AA	M	590	?	437
simplicity	19	115	107	29	105	sister-in-law	2	6	18	5	13
simplify	5	28	51	8	19	sit	AA	M	M	M*	524
simply	A	165	854	165	370	site	21	115	55	51	171
Simpson	2	16	27	0	9	sitting (n.)	2	?	?	?	12
simulate	2	8	22	4	8	sitting room	4	18*	25	13	16
simultaneous	1	4	7	6	13	situate	2	14	0	16	6
simultaneously	8	24	53	20	59	situated	20	146	22	25	171
sin	A	310	183	252*	193	situation	A	130	662	86	714
Sinai	1	16	5	1	4	six	AA	M	806	?	978
since	AA	M	M	M	M	sixpence	6	50	4	52	15
sincere	20	120	54	120*	77	sixteen	34	160	194	86	185
sincerely	12	80	59	80	26	sixteenth	8	50	23	51	32
sincerity	9	57	56	8	44	sixth	27	245	65	123*	58
sine	1	6	2	0	13	sixty	48	220	161	220*	280
sinecure	1	8	3	2	13	sizable	1	7	17	0	6
sinew	7	90	14	20	17	size	AA	700	501	573*	518
sinewy	2	28	6	9	9	sizzle	1	2	12	9	6

skate to sloop

	G	T	L	J	S		G	T	L	J	S
skate	30	160	67	74	251	stop	13	57	119	34	31
skater	2	10	1	11	17	slash	8	56	67	21	19
skein	2	18	2	23	2	slat	4	7	24	35	12
skeletal	1	6	2	0	14	slate	11	90	52	38	29
skeleton	11	57	43	48	58	slaughter	14	115	21	58	69
skeptical	3	16	40	5	4	Slav	4	50	4	3	19
sketch	25	90	215	40	110	slave	A	340	123	340*	356
skewer	1	6	24	3	2	slavery	21	90	26	104	168
ski	6	7	38	14	66	slavish	1	15	8	0	8
skid	3	8	47	1	9	slay	21	115	18	93	156
skies	18	100	62	100*	73	slayer	2	16	9	8	3
skiff	1	16	2	11	2	sled	8	90	26	22	19
skill	39	175	104	175*	252	sledge	10	90	8	76	8
skilled	13	60	50	60*	72	sleek	6	57	39	18	7
skillet	2	11	32	2	7	sleep	AA	M	503	?	461
skillful (skil)	17	107	40	102	65	sleeper	6	50	23	17	25
skillfully (skil)	3	23	14	23	10	sleepily	5	40	25	24	5
skim	13	115	56	35	30	sleeping (n. adj.)	28	?	211	?	49
skimp	1	2	14	1	2	sleepless	4	10	35	22	16
skin	AA	700	588	482*	264	sleepy	15	120	58	78	18
skinner (S)	2	0	32	10	4	sleet	5	57	27	8	8
skinny	2	12	13	10	6	sleeve	26	160	179	83	49
skip	17	160	80	51	28	sleeveless	1	12	15	2	1
skipper	7	14	84	9	33	sleigh	7	78	18	13	17
skirmish	7	57	17	19	36	sleighting (n.)	1	12	0	7	0
skirt	A	320	297	227*	62	slender	33	160	169	188	77
skittish	1	5	2	11	1	slept	A	240	228	240*	210
skulk	4	28	11	26	10	slew	13	90	6	50	100
skull	12	90	44	46	38	slice	30	115	355	29	45
skunk	13	11	23	185	15	slick	3	6	39	2	7
sky	AA	600	347	600*	416	slicker	1	2	17	1	2
skylark	3	5	2	48	6	slid	13	28	127	31	50
skylight	1	1	7	6	7	slide	36	240	114	240*	54
skyscraper	5	16	32	13	38	slight	A	260	419	260*	340
slab	7	57	19	43	9	slightly	42	100	394	100	170
slack	7	57	30	13	29	slim	14	18	226	1	20
slacken	6	57	20	12	29	slime	4	50	9	10	5
stacks	1	0	24	0	0	slimy	3	18	22	20	6
slag	2	14	3	13	10	sling	8	90	16	32	21
slain	27	160	32	145	156	slink	2	16	9	12	8
slake	2	18	2	13	5	slip	A	410	759	410*	215
slam	11	57	98	27	24	slipper	20	155	148	43	14
slander	6	57	13	16	34	slippery	12	130	29	45	21
slandorous	1	16	0	2	8	slit	7	28	52	35	11
slang	3	18	19	1	22	sliver	1	5	18	5	1
slant	10	97	49	23	14	slogan	5	10	49	3	40
slanting (adj.)	3	18*	21	19	8	sloop	2	6	5	24	16

slop to snow-white

	G	T	L	J	S		G	T	L	J	S
slop	2	14	16	4	7	smokeless	1	12	1	1	7
slope	47	245	171	215*	230	smoker	3	28	17	13	2
sloppy	1	2	20	1	0	smokestack	1	2	6	6	7
slot	3	12	24	20	5	smoky	4	16	24	30	13
sloth	4	50	3	6	30	smolder	3	6	55	2	0
slothful	1	16	2	2	0	smooth	A	360	346	289*	217
slouch	3	16	30	19	6	smoothly	12	70	86	45*	20
slough	2	14	10	4	12	smoothness	2	28	11	2	8
slowly	2	12	10	8	7	smote	31	115	21	117	313
slow	A	450	434	450*	321	smother	10	57	64	38	34
slowly	A	250	M	250*	186	smoulder	2	14	4	12	9
slowness	2	7	17	6	11	smudge	2	6	27	6	1
slug	5	57	14	11	8	smug	2	6	34	2	4
sluggard	1	16	0	6	8	smuggle	5	28	35	9	21
sluggish	4	28	15	22	23	smuggler	1	8	4	5	8
sluice	2	18	8	11	14	smut	1	14	2	3	4
slum	6	14	45	18	40	Smyrna	1	6	2	0	20
slumber	27	240	58	122*	68	snack	1	12	15	1	2
slump	6	6	80	1	28	snag	1	3	4	6	10
slung	3	12	17	22	17	snail	8	57	11	50	28
slunk	2	16	5	10	5	snake	28	160	62	155	127
slur	3	8	15	25	7	snap	49	240	341	240*	71
slush	1	6	5	14	6	snappy	2	1	37	0	3
sly	11	96	23	58	23	snapshot	2	7	25	1	4
sly'y	3	34	9	25	1	snare	10	115	16	44	19
smack	7	57	45	13	18	snarl	14	57	91	84	32
small	AA	M	M	M	M	snatch	27	160	185	98	53
smallness	1	7	5	5	6	sneak	10	42	76	49	15
smallpox	5	28	34	6	22	sneaking (adj.)	2	8	15	10	3
smart	A	220	477	220*	61	sneer	12	57	91	31	44
smartness	1	4	21	1	1	sneeze	6	57	18	32	12
smash	12	28	101	39	54	snicker	1	1	8	13	2
smattering	1	7	7	2	3	sniff	15	18	65	108	20
smear	6	50	25	34	4	snip	2	18	16	7	4
smell	A	360	280	360*	171	snipe	2	28	2	12	7
smelt	6	57	14	30	18	snob	1	5	14	1	6
smile	AA	700	M	700*	566	snoop	1	2	16	0	1,
smilingly	1	1	25	5	4	snore	8	57	41	37	19
smirk	1	10	7	5	1	snort	11	57	75	51	19
smite	16	115	6	52	120	snout	4	57	3	15	8
smith	4	13	14	26*	23	snow	AA	700	372	478*	361
Smith	A	227	239	214*	388	snowball	2	12	9	19	8
smithy	4	14	1	54	6	snowdrift	1	2	9	8	5
smitten	5	57	7	11	20	snowflake	2	28	3	16	6
smock	5	57	24	8	6	snowshoe	4	8	15	43	10
smocking (n.)	1	0	3	0	0	snowstorm	2	6	11	11	13
smoke	AA	700	545	519*	311	snow-white	1	2	10	4	8

snowy to somewhat

	G	T	L	J	S		G	T	L	J	S
snowy	10	57	35	71	27	sol .S,	1	11	8	7	0
snub	2	10	26	4	4	solace	5	57	16	4	17
snuff	8	90	21	24	19	solar	11	28	8	4	166
snuffbox	1	5	7	9	8	solid	AA	700	432	477*	320
snug	9	92	19	45	18	solder	2	28	3	8	6
snuggle	3	1	29	24	1	soldier	AA	M	259	?	740
snugly	4	23	11	30	9	soldierly	1	2	5	4	7
so	AA	M	M	M	M	soldiery	2	12	0	8	27
soak	24	90	130	60	46	sole	25	186	80	136*	143
so-and-so	2	0	19	4	13	solely	18	114	65	83*	71
soap	37	230	192	158*	86	solemn	20	87	104	50	128
soapsuds	1	1	18	1	1	solemnity	5	57	13	10	26
soapy	1	1	16	4	6	solemnly	12	73	79	18	53
soar	12	90	45	45	51	solicit	6	90	11	6	16
sob	36	90	352	149	61	solicitation	1	18	1	7	5
sober	29	156	149	156	68	solicitor	4	50	10	2	27
soberly	8	44	55	44	6	solicitous	1	8	16	7	4
sobriety	2	14	5	5	13	solicitously	1	4	14	1	1
so-called	18	3	88	29	210	solicitude	2	18	22	7	4
sociability	1	4	8	7	0	solid	42	192	178	192*	205
sociable	3	12	17	22	15	solidarity	1	8	5	1	20
social	A	152	722	71	647	solidify	1	12	5	4	8
socialism	4	14	13	2	57	solidity	1	10	14	3	8
socialist	19	28	17	6	302	solidly	4	18	21	18*	15
socialistic	1	7	3	0	15	soliloquy	1	8	7	2	6
socially	4	8	47	8	23	solitary	18	130	60	86	62
society	AA	290	447	290*	778	solitude	16	130	31	47	81
sociological	1	8	9	1	7	solo	3	6	19	17	13
sociologist	1	4	14	0	5	Solomon	13	90	26	68	51
sociology	1	4	11	0	7	Solon	5	10	26	4	54
sock	12	90	96	14	24	soluble	4	50	5	8	26
socket	6	57	17	20	18	solution	31	90	166	51	258
Socrates	4	18	12	1	48	solve	33	160	208	57	174
sod	10	90	24	27	41	solvent	3	12	10	3	29
soda	12	57	93	19	51	somber (bre)	7	50	32	17	29
sodden	2	18	18	9	0	somberly	1	7	13	0	2
sodium	3	16	4	13	31	some	AA	M	M	M	M
Sodom	1	16	1	0	1	somebody	5	220	480	220*	141
sofa	14	90	103	60	9	someday	1	0	25	0	0
soft	AA	M	549	?	439	somehow	45	50	151	115	106
soften	23	130	150	78	65	someone	A	160	597	67	150
softly	44	?	329	?	68	somersault	2	12	15	11	4
softness	4	28	29	10	16	Somerset	2	10	9	18	8
soggy	1	6	13	2	1	something	AA	M	M	M	M
soil	AA	700	344	510*	496	sometime	35	155*	164	155*	156
sojourn	7	90	11	12	16	sometimes	AA	700*	M	700*	693
sojourner	1	18	0	0	1	somewhat	A	280	322	280*	439

somewhere to spat

	G	T	L	J	S		G	T	L	J	S
somewhere	A	160	434	266	154	sour	15	97	102	50	28
somewhile	1	0	0	11	11	source	A	240	206	240*	456
son	AA	M	993	M*	M	sourly	1	18	6	4	6
sonata	1	6	4	4	18	souse	1	8	5	10	7
song	AA	700	394	514*	447	south	AA	M*	378	M*	M
songster	2	18	1	23	4	Southampton	2	7	0	5	40
son-in-law	3	4	27	17	8	South Carolina	1	0	6	21	0
sonnet	8	57	12	1	85	Southdown	2	2	0	0	34
sonny	2	7	35	4	6	southeast	7	57	20	2	47
sonorous	2	18	13	11	9	southeastern	4	28	11	7	27
soon	AA	M	M	M	M	southerly	1	4	4	10	8
soot	3	28	8	23	6	southern	A	290	208	290*	638
sooth	7	57	2	33	33	southerner	1	2	8	4	13
soothe	16	90	95	62	52	southland	1	3	0	19	1
soothing'y	2	4	21	10	7	southward	15	90	27	83	83
soothsayer	1	14	4	8	8	southwest	17	90	58	59	113
sooty	2	18	6	9	4	southwestern	5	28	17	11	35
sop	1	11	10	1	1	souvenir	2	7	25	7	8
Sophia	2	2	31	5	2	sovereign	23	115	23	114	164
Sophie	5	5	95	3	2	sovereignty	8	57	23	12	64
sophisticated	4	14	34	0	14	soviet (S)	29	5	113	0	418
sophistication	1	10	17	0	5	sow (sown)	26	245	79	121*	42
Sophocles	1	10	0	1	12	space (ing)	AA	700	561	553*	406
sophomore	3	5	48	0	5	spacious	10	90	40	19	34
soprano	1	11	0	2	10	spade	13	160	26	23	30
sorcerer	3	50	8	2	2	spaghetti	1	2	26	0	5
sorceress	1	12	0	6	13	Spain	A	270	108	270*	345
sorcery	3	50	0	12	8	spake	14	160	2	103	2
sordid	7	50	50	3	24	span	13	90	37	39	73
sore	38	218	138	173*	162	spangle	6	90	14	14	4
sorely	5	32	16	26*	30	Spaniard	28	130	23	130	234
soreness	1	10	5	4	2	spaniel	1	18	5	7	2
sorrel	1	10	7	6	2	Spanish	A	320	220	320*	356
sorrow	A	370	130	250*	250	spank(ing)	9	90	42	23	8
sorrowful	9	70	16	47	30	spar	5	11	15	60	19
sorrowfully	2	20	11	15	7	spare	A	366	250	272*	177
sorry	A	370	761	424*	140	sparingly	2	7	17	7	6
sort	AA	700	M	975*	763	spark	25	160	75	114	108
sou	1	4	6	8	2	sparkle	29	210	114	139*	67
soufflé	2	3	42	0	0	sparrow	22	230	11	130*	30
sought	A	250	174	231	268	sparse	1	8	10	4	3
soul	AA	700	592	667*	708	sparsely	2	10	13	0	14
sound	AA	M	M	M*	M	Sparta	13	18	0	25	205
soundless	1	3	13	2	3	Spartan	8	10	10	4	123
soundly	3	?	24	?	10	spasm	2	18	18	8	5
soundness	2	14	9	2	11	spasmodic	1	8	11	3	5
soup	36	220	246	166*	33	spat	4	28	35	11	10

spatter to spoil

	G	T	L	J	S		G	T	L	J	S
spatter	3	18	18	16	2	spent	A	850	719	810*	269
spawn	4	57	8	4	7	sperm	2	28	0	0	8
speak	AA	M	944	M*	824	sphere	18	100	33	24	114
speakeasy	1	0	29	0	4	spherical	1	10	1	1	12
speaker	25	160	127	58	111	sphinx	2	16	4	10	11
speaking (n. adj.)	5	?	25	?	22	spice	17	100	66	47	37
spear	40	230	19	230*	248	spicy	2	12	13	5	8
special	AA	360	590	360*	683	spider	24	180	42	155	89
specialist	9	18	112	2	37	spigot	1	8	6	3	3
specialization	2	11	14	0	12	spike	5	28	25	17	23
specialize	8	50	65	0	39	spill	12	90	74	33	23
specially	12	57	69	8	88	spillway	2	0	44	0	0
specialty	4	14	38	4	16	spilt	2	14	0	18	5
species	15	57	58	161	2	spin	24	210	56	110*	65
specific	15	57	56	34	136	spinach	8	16	113	9	18
specifically	2	12	17	0	31	spinal	4	50	12	1	14
specification	4	14	30	5	35	spindle	9	87	6	32	38
specify	5	14	29	5	53	spine	10	50	50	75	12
specimen	14	8	62	80	118	spinner	3	10	12	28	10
specious	1	16	7	3	5	spinneret	1	1	1	23	6
speck	13	57	94	70	18	spinning (n. adj.)	11	?	17	?	82
speckle	7	90	7	39	5	spinning wheel	1	0	0	19	12
spectacle (ed) (s)	24	115	111	86	127	spinster	2	18	17	0	11
spectacular	6	14	66	3	39	spiral	6	28	9	50	54
spectator	14	57	59	53	99	spire	11	130	17	29	25
specter (re)	5	57	5	13	22	spirit	AA	695	611	695*	984
spectral	1	16	2	6	3	spirited (adj.)	2	5*	24	4	6
spectroscope	2	7	0	7	22	spiritual	21	103	121	16	138
spectrum	6	14	5	20	76	spiritualism	1	4	2	1	13
speculate	5	16	43	20	22	spirituality	1	10	2	0	10
speculation	12	50	71	19	91	spiritually	2	12	26	0	6
speculative	5	41	19	6	34	spit	13	115	51	39	39
speculatively	1	9	11	0	2	spite	A	330	457	330*	272
speculator	4	7	30	8	41	spiteful	3	18	9	29	3
sped	17	90	57	62	97	Spitsbergen	2	2	5	9	24
speech	AA	400	386	400*	648	splash	20	90	101	127	51
speechless	6	50	40	26	9	spleen	3	57	4	0	9
speed	A	320	377	320*	460	splendid	A	290	236	254*	218
speedily	9	63	13	68	18	splendidly	5	30	29	24*	18
speedometer	1	6	4	1	7	splendor (our)	21	130	71	73	104
speedy	7	52	15	19	45	splice	1	12	18	2	1
spell (ing)	44	280	185	202*	140	splint	2	12	4	5	24
spellbound	1	5	10	16	2	splinter	8	57	29	47	28
spencer (S)	5	4	49	13	37	split	26	142	119	118	103
spend	AA	700	680	529*	358	splitting (adj.)	3	18	13	15	13
spendthrift	1	4	6	7	9	splutter	1	4	3	12	3
Spenser	2	10	0	6	37	spoil	A	365	286	237*	108

spoiler to stag

	G	T	L	J	S		G	T	L	J	S
spoiler	1	12	0	6	1	spry	1	7	6	5	3
Spokane	1	6	4	1	12	spun	12	90	45	57	25
spoke	AA	700	908	700*	984	spur (red)	23	130	63	135	96
spoken	36	130	191	162	166	spurious	2	14	9	0	17
spokesman	5	18	14	10	51	spurn	6	90	9	9	17
sponge	12	90	51	46	29	spurt	3	14	21	11	13
spongy	2	28	2	9	8	sputter	3	10	22	22	9
sponsor	4	6	48	5	27	spy	30	250	69	158*	66
spontaneity	1	10	8	2	7	spyglass	1	5	3	7	15
spontaneous	6	42	28	9	32	sq.	3?	57	0	0	0
spontaneously	1	8	6	0	7	squab	1	2	6	19	1
spool	7	57	10	63	7	squabble	2	10	17	6	10
spoon	33	290	115	164*	38	squad	6	16	69	11	28
spoonful	2	3	35	4	4	squadron	10	57	15	26	88
sporadic	1	5	10	2	8	squalid	1	10	8	8	9
spore	3	28	10	3	20	squall	4	28	12	11	25
sport	A	319	422	319*	329	squalor	1	2	10	4	3
sporting (adj.)	3	11	30	11*	12	squander	2	18	15	4	12
sportive	1	16	2	1	5	square	AA	700	573	626*	552
sportsman	4	16	24	31	17	squarely	7	40	51	34*	14
sportsmanship	1	3	15	0	4	squash	6	50	35	12	14
spot	AA	690	516	690*	429	squat	6	18	42	28	28
spotless	3	28	17	16	9	squatter	1	11	4	3	3
spotlight	1	3	28	0	2	squaw	3	14	21	20	16
spotted (adj.)	1	10	8	10	4	squawk	4	4	22	24	8
spouse	6	90	3	9	8	squeak	11	90	22	74	18
spout	6	57	17	21	21	squeal	5	12	48	32	14
sprain	2	12	30	6	6	squeamish	1	8	6	2	5
sprang	44	240	164	240*	161	squeeze	18	90	121	82	44
sprawl	6	18	52	23	17	squint	3	18	33	10	3
spray	22	160	116	52	77	squire	29	130	9	289	111
spread	AA	700	519	590*	480	squirm	3	12	20	20	7
spreader	1	12	4	15	0	squirrel	24	230	32	136*	41
spree	2	18	11	5	7	squirt	2	11	14	19	4
sprig	13	57	163	14	5	St.	AA	240	179	240*	M
sprightly	4	57	12	8	8	stab	9	90	38	24	26
spring	AA	M	599	?	591	stability	6	50	17	8	46
Springfield	12	14	35	41	122	stabilization	2	6	10	0	26
springtide	1	3	1	10	5	stabilize	3	11	17	0	37
springtime	8	57	24	42	25	stable	39	270	111	202*	133
springy	1	1	15	3	5	staccato	1	4	14	2	1
sprinkle	24	160	189	46	48	stack	11	57	88	29	40
sprint	1	2	8	1	7	stadium	2	8	17	1	14
sprite	4	57	12	7	8	Stael	1	6	0	0	12
sprout	7	57	32	30	18	staff	37	160	160	141	219
spruce	11	18	40	119	32	Stafford	1	2	6	0	15
sprung	14	130	40	48	40	stag	7	57	22	37	13

stage to stealth

	G	T	L	J	S		G	T	L	J	S
stage (ing)	A	240	655	240*	529	stark	5	28	27*	15	20
stagecoach	3	7	19	17	12	starlight	4	12	10	23	40
stagger	22	130	145	66	59	starling	1	8	7	10	4
stagnant	4	57	10	4	9	starry	6	57	13	25	27
stagnation	1	11	4	2	14	star-spangled	1	2	7	1	14
staid	4	50	8	15	5	start	AA	M	M	M*	M
stain	28	200	102	127*	78	starter	2	6	29	1	7
stainless	1	12	3	0	3	startle	28	55	268	126	68
stair	A	350	446	299*	101	startling (adj.)	12	60	62	21	73
staircase	9	16	48	62	36	starvation	9	50	37	24	62
stairway	7	16	60	31	23	starve	38	230	181	174*	111
stake	29	160	125	130	112	state (S)	AA	M	M	M	M
stalactite	1	6	4	4	6	Statehouse 's)	1	0	2	10	7
stale	10	115	46	11	17	stately	16	130	25	70	79
Stalin	1	0	18	0	12	statement	A	130	313	70	609
stalk	27	130	120	182	57	Staten Island	1	2	9	7	16
stall	19	160	63	82	45	stateroom	2	6	30	4	4
stallion	1	6	8	6	3	statesman	24	160	46	39	193
stalwart	3	7	16	32	15	statesmanship	2	12	3	10	17
stamen	4	28	7	34	17	static	2	11	19	1	17
Stamford	1	6	4	0	8	station	AA	700	612	591*	482
stamina	1	10	14	0	2	stationary	7	57	34	14	28
staminate	1	4	0	0	15	stationer	1	8	3	3	4
stammer	12	57	104	42	18	stationery	2	28	6	2	2
stamp	A	350	266	272*	195	statist	1	5	0	0	13
stampedede	3	11	27	10	22	statistical	3	10	30	0	24
stance	1	3	15	0	1	statistician	2	3	17	2	20
stanch	5	50	11	30	11	statistics	11	28	56	8	116
stanchion	1	10	8	1	1	statuary	2	18	3	9	13
stand	AA	M	M	M	M	statue	32	240	58	148*	146
standard	A	245	390	245*	525	statuette	1	8	4	5	8
standardization	1	0	12	0	14	stature	9	90	15	34	32
standardize	3	12	26	0	26	status	9	16	60	7	84
stand-by	1	0	22	2	0	statute	9	57	11	15	92
standing (n. adj.)	23	?	130	?	83	statutory	1	7	3	1	13
Standish	2	7	19	5	6	staunch	4	28	8	15	23
standpoint	8	12	36	6	98	stave	4	57	11	8	9
standstill	3	14	15	9	18	stay	AA	M	M	?	463
Stanford	2	2	14	1	28	stead	9	90	17	33	24
Stanley	12	90	98	4	38	steadfast	6	57	9	27	21
stanza	29	28	3	6	485	steadfastly	3	33	11	14	9
staple	8	57	29	23	50	steadily	30	50	221	129	144
star (red)	AA	700	527	700*	M	steadiness	2	12	10	6	8
starboard	3	11	13	14	17	steady	A	200	348	200*	163
starch	10	50	52	16	75	steak	14	90	105	11	50
stare	A	160	M	255	136	steal	A	360	169	246*	86
starfish	3	14	3	38	2	stealth	3	50	6	3	5

stealthily to stolen

	G	T	L	J	S		G	T	L	J	S
stealthily	4	27	21	26	13	Stewart	6	16	61	5	36
stealthy	4	23	13	28	9	stick	AA	700	420	539*	378
steam	A	380	193	341	302	sticky	5	14	30	45	11
steamboat	13	57	19	87	76	stiff	44	245	281	202*	79
steam engine	6	2	0	71	40	stiffen (ing)	8	50	78	23	10
steamer	28	160	107	115	137	stiffly	12	?	105	?	10
steamship	9	57	27	11	81	stiffness	1	12	10	8	5
steed	16	130	8	116	39	stife	10	57	68	24	34
steel	A	400	297	400*	371	stigma	5	50	15	16	15
Steele	1	20	0	2	2	stigmatize	1	10	4	0	4
steely	1	6	7	2	4	stile	4	50	7	7	12
steep	40	298	122	183*	130	still	AA	M	M	M	M
steeple	9	115	19	25	16	stillness	13	90	39	63	49
steeply	1	12	6	7*	5	stilt	2	16	6	9	10
steer	33	200	91	200*	119	stimulant	3	18	18	4	15
steerage	1	8	2	3	5	stimulate	18	57	136	20	121
steersman	1	8	1	5	4	stimulation	2	14	22	0	13
stein	2	5	37	3	5	stimulus	8	50	24	7	64
stellar	1	5	2	0	15	sting	28	200	66	200*	51
stem	39	235	114	235*	128	stingy	1	6	11	12	2
stench	1	14	4	6	4	stink	4	57	14	6	5
stencil	2	7	28	2	2	stint	3	28	8	17	18
Stendhal	1	0	1	17	2	stipend	1	10	1	2	5
stenographer	6	18	87	0	16	stipulate	2	12	11	6	20
step	AA	M	M	M*	763	stipulation	1	12	2	4	12
stepfather	1	10	9	8	3	stir	A	350	514	350*	223
Stephen	18	90	84	115	40	stirring (adj.)	6	30	45	30*	20
Stephens	1	3	4	6	6	stirrup	6	57	7	35	20
Stephenson	1	2	8	5	6	stitch	15	130	107	26	19
stepmother	6	28	33	42	7	St. John	1	6	13	6	0
steppe	1	18	4	1	8	St. Lawrence	2	16	10	10	0
steppingstone	1	1	6	7	9	St. Louis	5	14	68	23	0
stereotype (d)	1	14	11	1	4	stoat	1	4	18	3	6
sterile	4	18	19	9	32	stock	AA	700	829	700*	450
sterilization	1	4	0	0	25	stockade	4	18	10	33	25
sterilize	3	28	13	0	21	stockholder	5	11	45	1	37
sterling	6	50	19	11	39	stocking	34	260	173	155*	31
stern	36	180	141	180*	148	stock market	2	0	18	0	26
sternly	11	55	69	55	21	stock-still	1	1	8	7	2
sternness	1	1	11	7	3	Stockton	2	1	7	43	12
Steuben	1	0	1	2	18	stocky	1	2	18	4	3
stevedore	1	4	7	0	11	stoic (S)	2	18	4	0	16
Stevens	4	7	45	3	20	stoical	1	10	5	2	3
Stevenson	4	16	25	12	30	stoicism (S)	1	7	5	3	4
stew	11	57	104	15	22	stoke	1	6	14	4	4
steward	12	57	82	64	25	stole	33	240	121	180*	62
stewardess	1	2	18	4	0	stolen	21	130	122	68*	62

stolid to stroke

	G	T	L	J	S		G	T	L	J	S
stolid	1	7	16	6	6	strap	15	100	78	64	34
stolidly	1	4	12	5	3	strapping	2	15	9	11	11
stomach	30	130	148	162	100	Strasbourg	1	7	4	13	0
stone	AA	M	386	?	743	strata	1	12	9	9	0
stonecutter	1	1	3	11	8	stratagem	4	57	6	11	9
stony	12	90	28	48	66	strategic	1	11	11	7	4
stood	AA	700	M	700*	M	strategy	4	14	33	15	24
stool	16	130	52	79	38	Stratford	3	7	1	61	0
stoop	33	240	156	151*	56	stratum	4	12	13	7	48
stop	AA	M	M	M*	790	straw	41	370	129	185*	56
stoppage	2	6	4	19	11	strawberry	19	160	121	53	12
stopper	2	7	9	15	15	stray	18	160	62	52	40
storage	10	57	64	5	57	streak	15	57	99	80	41
store	AA	700	897	700*	446	stream	AA	700	285	700*	656
storehouse	6	50	8	40	20	streamer	5	57	18	21	9
storekeeper	2	18	10	6	11	street	AA	M	M	M*	M
storeroom	2	2	22	10	3	streetcar	4	5	18	2	48
stork	8	90	13	42	8	strength	AA	700	443	700*	593
storm	AA	700	391	549*	397	strengthen	24	115	74	68	175
stormily	1	18	7	?	0	strenuous	9	47	55	14	47
stormy	21	202	36	100*	43	strenuously	1	10	15	1	9
Storthing (ting)	1	1	0	0	20	stress	13	25	78	21	116
story	AA	M	M	M*	M	stretch	A	430	411	381*	301
stout	33	200	99	164*	141	stretcher	5	18	38	10	31
stoutly	3	20	19	17*	6	strew	5	57	8	25	15
stove	40	240	199	240*	62	strewn	7	57	27	31	17
stow	4	12	32	31	14	stricken	17	90	92	27	111
stowaway	1	6	10	2	0	strict	12	55	53	22	89
Stowe	1	3	2	1	18	strictly	16	75	88	6	129
St. Paul	2	2	33	4	0	stride	18	115	95	72	49
straddle	1	10	5	6	5	strident	1	4	13	5	3
straggle	3	18	22	20	6	strife	17	160	24	52	85
straggler	1	16	4	11	4	strike	AA	627	326	477*	390
straight	AA	700	690	529*	197	striker	2	10	17	0	26
straighten	15	57	153	44	19	striking (adj.)	36	173	128	151*	211
straightforward	3	14	26	9	6	strikingly	2	7	10	8	22
straightway	18	90	4	161	70	string	A	300	234	235*	170
strain	A	230	440	230*	178	stringent	1	12	5	1	12
strainer	1	16	11	3	0	stringy	1	1	11	5	1
strait (s)	16	160	19	72	41	strip	A	350	237	264*	206
straiten	1	16	1	12	3	stripe	14	87	93	25	61
strand	12	83	49	62	24	striped (adj.)	7	43	57	6	25
strange	AA	700	796	700	381	stripling	1	18	2	8	2
strangely	21	98	158	98*	30	strive	19	150	56	55	92
strangeness	2	6	22	9	5	striven	1	10	2	6	8
stranger	A	290	334	290*	139	strode	11	50	76	44	29
strangle	3	57	61	42	18	stroke	A	310	191	264*	218

stroll to substantial

	G	T	L	J	S		G	T	L	J	S
stroll	16	57	147	55	31	stutter	1	1	20	5	3
strong	AA	M	770	M	M	style	A	340	301	340*	418
stronghold	7	28	12	39	53	stylish	3	16	31	8	6
strongly	31	?	88	?	195	Styx	3	50	0	3	5
strep	1	11	6	1	3	suave	2	5	27	1	10
strove	11	90	27	37	51	sub	1	0	0	0	31
struck	A	290	409	290*	493	subaltern	1	8	0	4	7
structural	4	18	14	6	36	subconscious	2	4	35	0	12
structure	35	57	120	108	362	subdeb	2	0	51	0	0
struggle	A	320	446	400*	559	subdivide	3	12	11	6	27
strung	2	18	0	13	6	subdivision	3	14	13	5	27
strut	8	57	47	38	18	subdue	18	160	70	34	75
strychnine (nin)	2	12	7	0	17	subject	AA	700	641	700*	M
Stuart	12	18	97	19	90	subjection	4	50	0	5	20
stub	5	16	33	49	7	subjective	1	5	0	0	24
stubble	5	57	12	15	13	subject matter	1	6	0	0	28
stubborn	14	104	95	24	42	subjugate	2	10	7	4	11
stubbornly	5	26	50	9	8	subjugation	1	6	3	2	11
stubbornness	2	12	19	3	6	subjunctive	1	16	1	0	4
stubby	1	2	14	6	7	sublimate	1	10	7	1	2
stucco	2	16	18	3	14	sublime	8	50	28	17	54
stuck	34	160	228	81	158	sublimity	1	11	1	1	9
stud	8	48	32	32	40	submarine	12	28	48	44	96
student	A	250	392	250*	620	submerge	10	57	42	19	78
studied (adj.)	15	57	82	57*	90	submission	8	57	17	39	48
studio	17	16	209	21	65	submissive	2	28	5	13	4
studious	3	44	9	8	9	submit	40	230	74	216*	202
studiously	1	13	2	1	5	subordinate	8	28	28	14	84
study	AA	700	942	700*	M	--subordination	1	10	1	1	14
stuff	A	276	547	276*	162	subscribe	8	57	30	5	52
stuffing (n.)	1	4	22	4*	2	subscriber	7	50	37	7	40
stuffy	3	2	37	12	7	subscription	7	57	47	7	23
stumble	25	115	192	105	54	subsection	2	2	0	0	42
stumbling block	1	14	6	5	4	subsequent	13	32	52	21	134
stump	27	210	72	122*	84	subsequently	10	25	7	16	143
stun	9	40	94	4	29	subserve	1	8	1	2	12
stung	10	57	43	57*	33	subservient	1	11	3	1	15
stunning	3	10	47	1	0	subside	7	50	29	19	44
stunt	9	28	70	17	48	subsidence	1	5	0	0	13
stupefy	3	16	17	20	4	subsidiary	2	8	6	1	21
stupendous	6	50	22	14	25	subsidize	2	11	9	0	20
stupid	24	100	144	131	62	subsidy	3	12	10	4	34
stupidity	3	14	26	0	19	subsist	5	50	9	14	26
stupidly	3	15	36	12	4	subsistence	4	10	11	12	50
stupor	3	12	22	7	15	subsoil	1	8	6	7	14
sturdily	2	10	13	10	5	substance	A	160	71	471	369
sturdy	16	80	77	90	54	substantial	17	90	87	29	109

substantially to sumpter

	G	T	L	J	S		G	T	L	J	S
substantially	4	25	12	13	36	suffering n.	22	57	110	102	140
substantive	1	16	2	2	3	suffice	16	170	23	39	68
substitute	29	130	155	49	201	sufficiency	1	14	1	2	12
substitution	4	8	17	3	50	sufficient	A	177	205	313*	556
substratum	1	14	0	3	11	sufficiently	22	58	95	103*	157
subterfuge	1	10	14	0	6	suffocate	4	14	31	23	11
subterranean	3	16	6	21	27	suffocation	1	12	4	5	4
subtle	12	78	42	34	67	Suffolk	1	16	2	4	6
subtlety	4	50	7	6	17	suffrage	10	57	24	18	91
subtly	2	18	25	0	8	sugar	AA	700	726	503*	306
subtract	4	57	6	1	14	suggest	AA	210	769	210*	624
subtraction	1	14	2	1	6	suggestion	44	57	360	93	290
subtropical	1	4	2	0	15	suggestive	4	18	26	18	24
suburb	13	90	59	13	79	suicide	11	12	107	4	84
suburban	6	50	40	3	18	suit	AA	700	825	700*	321
subway	6	18	64	10	33	suitable	26	108	145	82	142
succeed	A	370	264	370*	686	suitably	1	7	13	5	6
success	AA	340	573	513*	625	suitcase	5	12	82	1	0
successful	A	172	352	172*	427	suite	8	28	77	3	39
successfully	17	48	97	48*	119	suitor	8	57	19	55	16
succession	22	90	61	83	164	sulk	3	8	34	6	9
successive	12	68	20	25	104	sulkily	1	5	8	13	3
successively	3	22	6	4	39	sulky	3	11	26	16	9
successor	13	57	24	30	134	sullen	13	95	67	51	38
succinct	1	5	17	3	6	sullenly	5	35	30	23	5
succinctly	1	3	13	2	5	Sullivan	8	2	27	51	66
succor	7	57	5	33	44	sully	1	10	1	1	7
succulent	1	10	9	13	3	sulphate	3	28	10	5	23
succumb	3	11	30	11	18	sulphide	2	4	0	13	20
such	AA	M	M	M	M	sulphur	21	57	12	203	109
suck	15	115	49	86	36	sulphuric	6	7	0	36	72
sucker	6	28	53	19	15	sulphurous	2	14	0	6	16
suckle	3	50	1	6	5	suitan	14	50	12	89	106
suckling	1	12	4	2	2	sultry	5	28	50	9	7
suction	2	18	9	0	14	sum	A	400	289	400*	462
Sudan	1	12	2	0	17	sumac (mach)	1	7	3	5	6
sudden	AA	?	534	?	369	summarily	1	3	6	1	18
suddenly	AA	?	M	?	627	summarize	4	14	12	1	54
suddenness	2	8	24	16	3	summary	7	15	14	9	93
suds	3	10	36	0	9	summer	AA	M	783	M*	702
sue	6	25	61	8	28	summerhouse	2	4	18	15	5
suede	1	4	24	0	0	summertime	1	1	11	1	7
suet	1	14	12	3	2	summit	17	90	17	74	126
Suez	3	12	7	12	28	summon	36	200	148	173*	144
suffer	AA	700	500	626*	677	summons (n.)	2	2	17	9	8
sufferance	3	57	1	4	6	Summer	3	8	4	11	42
sufferer	6	50	20	32	21	sumpter	1	7	1	9	1

sumptuous to surreptitiously

	G	T	L	J	S		G	T	L	J	S
sumptuous	6	57	14	17	21	supervision	10	28	58	20	83
sun	AA	M	603	M*	M	supervisor	5	28	62	6	11
sunbeam	12	115	4	81	23	supine	1	11	3	2	4
sunburn	3	12	34	5	5	supper	A	410	460	270*	130
sunburnt	1	2	2	8	10	supplant	6	50	12	8	40
Sunday	A	500	529	433*	270	supple	3	28	19	15	6
Sunday school	2	2	9	1	32	supplement	8	28	48	6	68
sunder	4	57	1	8	7	supplementary	2	14	8	2	14
sundial	1	8	4	16	3	suppliant	2	28	2	6	2
sundown	5	11	29	35	27	supplicate	1	18	2	3	0
sundry	8	50	20	20	56	supplication	3	50	6	9	6
sunflower	2	18	14	11	7	supply	AA	700	566	700*	M
sung	16	160	48	52	42	support	AA	350	453	350*	813
sun god	1	4	0	7	9	supporter	9	50	21	10	95
sunk	17	130	84	57	42	suppose	AA	640	M	640*	711
sunken	4	14	32	22	16	supposed (adj.)	14	54	101	54*	59
sunless	1	12	1	3	7	supposedly	2	3	31	0	10
sunlight	32	115	160	204	103	supposing (conj.)	1	6	15	6	0
sunlit	1	3	8	15	0	supposition	3	18	6	10	33
sunny	22	160	53	139	50	suppress	17	90	63	43	121
sunrise	13	90	52	63	31	suppression	4	16	5	3	48
sunset	24	160	72	110	90	supremacy	9	28	21	12	81
sunshine	46	290	194	208*	139	supreme	38	124	139	73	351
sunshiny	1	4	11	9	7	supremely	1	6	18	1	9
sunspot	2	1	27	1	12	sur	1	2	2	3	26
sunstroke	1	6	3	5	11	sure	AA	M	M	M*	779
sup	5	57	2	31	10	surely	A	?	440	?	219
super	1	0	8	0	23	surety	3	?	9	13	20
superb	8	28	49	19	59	surf	4	28	21	12	21
supercilious	1	11	11	2	9	surface	A	310	306	310*	803
superficial	6	29	30	4	56	surfeit	2	18	7	3	9
superfluity	1	16	0	3	4	surge	12	57	87	24	51
superfluous	6	57	22	14	28	surgeon	18	57	142	42	86
superhuman	1	12	10	7	4	surgery	7	50	36	13	28
superimpose	1	8	6	0	5	surgical	3	16	18	2	21
superintend	4	28	13	6	42	surly	3	28	8	28	6
superintendence	1	7	2	2	7	surmise	6	50	31	12	22
superintendent	15	90	80	30	80	surmount	6	57	11	22	32
superior (S)	A	263	166	260*	289	surname	5	57	6	9	24
superiority	8	16	34	23	71	surpass	13	90	29	39	88
superlative	3	18	21	4	13	surplice	1	11	2	1	5
supernatural	2	16	6	10	21	surplus	16	57	88	15	136
supersede	4	11	6	13	45	surprise	AA	534	899	534*	404
superstition	10	90	32	15	53	surprising (adj.)	27	146	102	146*	107
superstitious	6	57	13	19	20	surprisingly	5	20	50	20	14
superstructure	1	11	1	2	8	surrender	27	130	92	84	197
supervise	5	16	47	7	35	surreptitiously	1	4	11	2	8

Surrey to Sykes

	G	T	L	J	S		G	T	L	J	S
Surrey	1	9	2	3	10	Sweden	11	28	45	12	123
surround	A	235	268	235*	345	Swedish	6	28	40	11	46
surroundings	15	50	93	50	91	sweep	44	250	50	250*	150
surtax	1	12	1	0	17	sweeper	3	50	7	5	1
surveillance	1	11	7	4	5	sweeping adj.	11	60	51	0	41
survey	32	118	193	63	207	sweepings	3	?	35	0	5
surveying (n.)	4	12	17	24	21	sweepstakes	1	4	18	0	2
surveyor	4	12	7	25	16	sweet	AA	M	079	?	000
survival	4	18	18	4	32	sweetbread	1	8	20	0	1
survive	23	90	100	50	183	sweetbriar	2	1	0	0	42
survivor	5	57	13	15	6	sweetening	8	57	50	13	24
Susan	8	57	69	6	12	sweetheart	14	57	157	21	21
susceptibility	1	11	10	2	7	sweetly	14	?	73	?	57
susceptible	5	50	24	3	18	sweetmeats	1	8	0	9	1
suspect	36	130	291	60	170	sweetness	15	115	61	53	47
suspend	20	90	80	86	107	swell	A	268	282	268*	94
suspenders	1	14	4	1	2	swelling (n.)	3	22	19	22*	11
suspense	6	28	40	20	25	swelter	1	4	8	4	3
suspension	7	28	47	18	46	swept	42	160	300	165	129
suspicion	28	90	173	93	157	swerve	6	57	25	19	16
suspicious	13	44	75	69	56	swift	43	216	207	216*	152
suspiciously	3	13	32	15	10	swiftly	37	184	204	184*	101
Susquehanna	1	10	1	6	16	swiftness	4	28	22	15	22
Sussex	1	14	2	3	12	swim	A	410	281	410*	139
sustain	23	130	79	67	154	swimmer	2	16	0	22	14
sustenance	2	18	5	12	13	swindle	2	10	32	1	10
swab	1	6	11	0	7	swindler	1	4	14	1	5
swaddle	1	7	0	13	0	swine	8	90	11	24	32
swagger	3	16	26	13	8	swineherd	1	7	0	9	19
swain	6	90	16	5	7	swing	A	310	314	310*	182
swale	1	3	1	15	6	swirl	7	16	47	27	19
swallow	48	330	170	233*	135	swish	3	10	26	22	4
swam	13	57	59	91	27	Swiss	12	90	40	43	56
swamp	29	130	92	152	149	switch	15	90	112	31	53
swampy	3	16	11	24	16	switchboard	1	3	17	0	8
swan	19	160	80	74	44	Switzerland	11	57	44	23	96
swap	2	6	21	2	7	swivel	1	14	9	4	7
sward	1	10	2	10	4	swollen	9	57	53	28	35
sware	1	16	0	4	1	swoon	7	57	5	31	39
swarm	22	160	76	112	63	swoop	7	16	30	79	9
swarthy	4	28	18	22	10	sword	A	390	91	390*	585
swathe	1	8	22	3	0	swore	13	90	67	39	52
sway	36	230	148	165*	118	sworn	16	130	47	54	59
swear	21	160	120	35	80	swung	23	28	193	134	71
sweat	19	130	124	38	52	sycamore	4	50	6	10	15
sweater	8	57	85	0	12	Sydney	5?	6	3	70	18
Swede	5	28	41	7	31	Sykes	1	0	7	7	10

syllable to tangent

	G	T	L	J	S		G	T	L	J	S
syllable	11	90	31	29	52	tablespoonful	9	16	154	0	5
sylogism	1	11	0	1	16	tablet	11	115	23	19	47
sylvan	2	28	4	8	7	taboo (u)	2	16	16	3	11
Sylvia	?	7	119	0	2	tabor	1	28*	3	2	0
symbol	17	115	94	27	85	tabular	1	11	0	1	10
symbolic	1	6	10	0	12	tabulate	2	18	12	2	17
symbolical	1	12	4	1	15	tabulation	1	7	3	0	15
symbolize	2	14	7	4	22	tacit	1	13	8	1	13
symmetrical	4	28	8	12	25	Tacitus	1	3	2	1	12
symmetry	3	16	9	5	30	tack	9	57	46	37	37
sympathetic	13	50	99	23	70	tackle	14	57	131	32	38
sympathetically	2	4	23	9	16	Tacoma	1	3	5	1	18
sympathize	8	57	41	22	39	tact	6	50	30	13	31
sympathizer	1	7	3	4	13	tactful	1	2	17	4	8
sympathy	43	160	228	117	272	tactfully	1	2	21	1	3
symphony	6	18	25	31	44	tactics	7	18	35	31	36
symposium	1	6	3	0	18	tadpole	2	18	6	7	15
symptom	11	50	58	6	90	taffeta	2	16	29	6	0
synagogue	2	18	1	5	14	Taft	4	12	32	6	34
synchronize	1	4	12	0	8	tag	7	57	52	21	12
syndicate	6	12	55	1	47	tail	A	700	177	463*	227
syne	1	1	2	0	16	tailor (ing)	32	260	134	152*	43
synod	1	11	0	0	15	taint	8	57	24	20	44
synonym	2	16	7	0	16	take	AA	M	M	M	M
synonymous	1	8	6	1	10	taken	AA	M	M	M*	M
synopsis	1	6	10	1	15	taking (n. adj.)	5	?	26	?	?
syntax	1	8	0	0	10	talc	1	4	2	15	0
synthesis	1	16	2	0	15	talcum	1	18	8	0	6
synthetic	3	16	27	0	22	tale	A	340	217	340*	297
syphilis	1	5	22	0	2	talent (ed)	26	130	166	40	137
Syracuse	6	28	14	5	66	talisman	1	12	2	7	7
Syria	8	68	4	20	60	talk	AA	M	M	M	M
Syrian	5	22	0	26	43	talkative	1	10	11	3	3
syrup	6	57	25	11	20	talker	4	57	14	6	6
system	AA	360	551	360*	M	talkie	3	0	42	0	17
systematic	5	18	15	15	56	tall	AA	700	595	700*	297
systematically	3	8	16	8	27	tallow	4	50	6	17	11
						tally	2	18	9	4	4
tab	1	12	16	1	3	talon	2	16	8	21	5
tabby	1	14	2	10	0	tame	25	240	31	144*	47
tabernacle (T)	4	57	5	3	12	Tammany	1	3	12	1	19
table	AA	M	M	M*	677	tam-o'-shanter	1	14	1	1	6
tableau	1	7	1	3	13	Tampa	1	2	5	0	24
tablecloth	4	14	40	17	0	tamper	3	28	10	7	13
tableland	1	7	0	6	17	tan (ning)	14	90	120	18	29
tablespoon	24	14	419	2	0	tang	1	8	17	4	5
						tangent	1	8	4	2	21

tangible to tentative

	G	T	L	J	S		G	T	L	J	S
tangible	3	12	34	1	20	taxicab	3	11	41	4	1
tangle	11	50	74	35	59	taxpayer	5	5	38	1	52
tank	19	115	84	52	103	Taylor	7	15	58	14	52
tankard	1	7	3	9	2	tea	A	410	454	279*	147
tanner	7	12	1	101	9	teach ing	AA	700	352	456*	351
tantalize	1	8	10	5	4	teacher	AA	700	355	453*	302
tantrum	1	1	21	1	2	teacup	1	7	9	4	5
tap	32	240	136	139*	71	teakettle	1	5	10	3	6
tape	8	57	57	9	36	team	A	260	286	260*	186
taper	12	115	20	42	38	teamster	1	6	8	7	12
tapestry	8	57	27	55	19	teamwork	1	0	11	8	0
tapioca	2	6	33	1	1	teapot	2	15	11	5	4
taproot	4	5	54	20	0	tear	AA	700	919	655*	347
tar	10	115	16	35	23	tearful	3	14	17	20	7
tardiness	1	7	2	3	6	tearfully	1	1	15	1	1
tardy	7	95	5	11	17	tease	14	51	105	68	22
tare	1	16	0	0	2	teasingly	1	6	9	13	0
target	9	50	53	42	23	teaspoon	15	57	211	4	6
tariff	18	57	108	7	155	teaspoonful	10	7	174	2	10
tarn	1	8	1	8	12	tear	1	18	0	4	0
tarnish	2	12	13	15	13	technic	2	2	46	0	2
tarpaulin	1	11	12	2	0	technical	14	48	81	4	143
tarry	10	90	2	59	39	technicality	1	5	9	2	7
Tarrytown	1	11	4	2	8	technically	3	9	16	0	31
tart	7	49	47	11	29	technician	1	3	8	0	9
tartan	1	1	6	7	10*	technique	6	13	49	1	45
tartar (T)	2	18	17	1	15	technocracy	2	0	37	0	1
tartly	1	8	9	3	3	technology	1	5	12	0	12
task	A	310	275	310*	388	Ted	5	3	92	4	6
taskmaster	1	8	3	4	3	Teddy	11	2	170	30	11
Tasmania (n)	1	6	4	4	10	tedious	9	90	29	27	32
tassel	5	57	12	17	9	tedium	1	6	6	3	3
taste	AA	700	480	521*	341	tee	1	6	17	0	9
tasteless	1	5	20	0	5	teem	6	57	15	13	26
tasty	1	0	18	3	2	teens	2	3	24	5	5
tatter (ed)	7	57	27	33	20	teeter	1	0	7	18	3
tattoo	3	16	20	12	14	teeth	A	250	405	280*	218
taught	A	500	322	381*	320*	telegram	21	115	199	18	50
taunt	6	25	34	36	20	telegraph	29	130	126	80	196
Taurus	1	5	0	3	10	telegraphic	1	3	0	4	11
taut	3	6	36	6	8	telephone	A	200	800	200*	248
tavern	12	115	27	52	30	telescope	12	50	17	95	64
tawdry	1	6	8	0	9	telescopic	1	2	2	0	14
tawny	5	50	11	16	17	television	1	0	14	0	13
tax	A	350	341	350*	688	tell	AA	M	M	M	M
taxation	15	57	23	8	206	teller	7	57	41	5	23
taxi	17	14	260	1	35	telltale	1	5	18	5	7

temerity to thankful

	G	T	L	J	S		G	T	L	J	S
temerity	1	7	9	5	4	term	A	340	442	340*	943
temper	39	200	169	150*	160	terminal	6	12	35	6	67
temperament	11	28	77	10	85	terminate	8	57	29	17	50
temperamental	2	5	25	0	10	termination	4	50	5	4	26
temperance	8	90	15	10	45	terminology	1	7	7	0	7
temperate	13	160	12	13	63	terminus	2	7	5	10	26
temperature	A	160	217	77	451	termite	1	4	3	16	8
tempest	14	130	16	45	73	terrace	18	57	134	41	93
tempestuous	3	57	3	8	3	terra cotta	1	12	6	0	13
temple	A	300	224	300*	381	terrestrial	3	16	3	7	45
tempo	1	12	15	0	7	terrible	A	252	518	252*	256
temporal	3	50	2	2	16	terribly	30	108	275	108*	57
temporarily	7	5	62	11	63	terrier	3	18	22	16	8
temporary	19	90	71	38	150	terrific	13	18	119	49	49
temporize	1	8	6	1	9	terrify	17	57	125	83	50
Temps	1	2	2	0	18	territorial	4	14	4	7	54
tempt	23	162	94	104	56	territory	A	235	121	235*	397
temptation	15	115	71	42	58	terror	48	250	202	218*	202
tempter	2	28	2	8	5	terrorize	1	4	7	2	12
tempting (ly)	8	68	19	38	23	Terry	3	2	44	7	4
ten	AA	M	M	M*	M	terse	1	3	16	0	4
tenacious	2	12	22	12	6	tersely	1	2	12	2	2
tenacity	1	12	5	8	8	tertiary (T)	1	5	3	1	14
tenant	16	90	45	36	126	test	A	290	415	290*	463
tend	A	235	201	235*	283	testament (T)	8	57	15	6	81
tendency	27	57	122	36	288	tester	1	14	3	0	1
tender	A	335	333	262*	204	testify	15	90	100	28	68
tenderly	12	65	83	50	19	testimonial	2	7	31	2	7
tenderness	16	90	108	35	66	testimony	17	115	81	39	81
tendon	2	18	11	2	5	test tube	1	1	1	11	6
tendril	2	28	7	6	11	testy	1	11	8	9	3
tenement	8	57	33	25	30	tether	2	18	7	10	6
tenet	1	11	4	1	17	Teuton	1	12	2	6	8
tenfold	1	16	2	9	6	Teutonic	3	16	12	5	28
Tennessee	15	90	40	43	114	Texan	2	8	4	10	14
tennis	18	57	215	3	59	Texas	30	122	215	59	166
Tennyson	4	14	4	17	42	text	17	160	41	10	112
tenor	6	57	19	9	32	textbook	3	11	24	7	29
tense	9	7	125	20	16	textile	9	18	75	2	76
tensely	1	1	21	3	2	textual	1	2	13	0	3
tension	9	14	77	8	63	texture	6	28	55	19	21
tent	A	430	145	239*	142	Thackeray	3	2	2	49	14
tentacle	3	14	6	16	27	Thames	6	57	6	20	25
tentative	3	13	21	2	22	than	AA	M	M	M	M
tenth	23	210	69	106*	40	thane	1	12	0	0	8
tenure	2	14	3	0	27	thank	AA	M	762	?	319
tepid	2	14	19	4	8	thankful	13	115	87	39	22

	G	T	L	J	S		G	T	L	J	S
thankfully	1	15	5	12	2	there's	A	90	M	308	?
thankfulness	3	50	6	7	4	Theresa	1	3	11	3	6
thankless	2	24	1	7	7	thereto	4	25	6	13	26
thanksgiving (T)	17	160	53	34	49	thereunto	1	4	1	9	6
that	AA	M	M	M	M	thereupon	20	139	10	118	113
thatch	6	50	13	39	19	therewith	21	57	1	135	202
that's	AA	12	M	394	?	therewithal	1	7	0	4	17
thaw	8	90	18	26	23	thermal	1	10	0	0	11
the	AA	M	M	M	M	thermometer	12	60	55	41	31
theater (tre)	A	250	564	250*	306	Thermopylae	1	6	1	3	10
theatrical	6	18	97	10	0	these	AA	M	M	M	M
Thetan	2	11	0	7	31	Theseus	6	1	0	100	18
Thebes	5	18	4	33	44	thesis	3	14	12	2	31
thee	AA	700	49	626*	M	Thessaly	2	4	0	16	18
theft	6	57	29	11	19	Thetis	1	4	0	10	11
their	AA	M	M	M	M	they	AA	M	M	M	M
theirs	15	?	65	?	70	they'd	12	4	200	12	?
them	AA	M	M	M	M	they'll	24	57	213	63	?
theme	13	90	64	8	79	they're	32	18	467	101	?
Themistocles	1	8	0	4	20	they've	9	12	142	24	?
themselves	AA	700	963	M*	M	thick	A	630	443	447*	263
then	AA	M	M	M	M	thicken	5	57	17	13	15
thence	29	220	32	158*	116	thicket	19	115	0	153	70
thenceforth	3	28	2	27	11	thickly	11	70	59	53*	26
thenceforward	1	8	1	6	19	thickness	15	115	40	69	49
Theodore	5	10	36	6	44	thief	28	240	65	126*	74
Theodoric	1	2	0	2	20	thieve	3	26	3	26	15
Theodosius	1	3	0	2	26	thieves	9	64	35	38	37
theologian	2	12	4	1	27	thigh	13	130	45	46	30
theological	6	28	8	2	86	thimble	4	57	6	8	8
theology	7	50	7	4	74	thin	AA	700	646	700*	249
theorem	2	10	2	0	28	thine	19	220	5	0	120
theoretical	3	11	5	3	47	thing	AA	M	M	M	M
theorist	1	8	5	0	12	think	AA	M	M	M	M
theory	A	90	220	81	571	thinker	3	8	23	8	46
therapeutic	1	6	5	1	15	thinking (n. adj.)	A	?	341	?	149
there	AA	M	M	M	M	thinly	5	?	26	?	19
thereabouts	6	15	13	82	4	third	AA	M	501	M*	692
thereafter	14	50	66	54	86	thirdly	1	2	2	4	19
thereat	3	16	0	28	25	thirst	23	240	39	107*	42
thereby	21	130	65	49	142	thirsty	11	115	29	34	23
therefor	4	57	19	9	0	thirteen	34	220	92	154*	149
therefore	AA	700	387	700*	M	thirteenth	7	57	24	17	32
therefrom	2	8	3	16	23	thirtieth	4	50	8	7	14
therein	12	57	20	55	89	thirty	AA	420	341	420*	768
thereof	24	160	21	135	132	this	AA	M	M	M	M
thereon	9	115	6	16	28	thistle	8	115	5	21	9

thistledown to ticklish

	G	T	L	J	S		G	T	L	J	S
thistledown	1	11	0	6	1	thrift	7	28	29	11	59
thither	25	130	13	156	129	thriftyly	1	14	5	1	15
thitherward	1	3	3	18	2	thrifty	5	43	33	27	3
tho 'tho')	5	90	2	11	2	thrill	46	130	432	149	118
Thomas	A	230	120	230*	335	thrive	16	130	56	41	61
Thompson	8	6	40	9	94	thro' ,throj	5	90	0	8	0
Thomson	1	11	0	2	14	throat	A	300	438	300*	119
thong	4	28	20	15	13	throaty	1	0	17	5	3
Thor	25	11	0	427	23	throb	9	28	80	37	29
thorax	1	16	0	3	0	throe	1	10	4	3	8
Thoreau	3	0	37	19	2	throne	43	300	50	247*	194
thorn	24	240	28	110*	61	throng	21	160	60	89	77
thorny	4	50	7	12	8	throttle	3	16	21	5	19
thorough	13	64	53	32	91	through	AA	M	M	M	M
thoroughbred	2	5	25	6	6	throughout	A	270	241	270*	606
thoroughfare	4	18	15	17	37	throw	A	400	331	400*	290
thoroughgoing	1	6	4	0	9	thrown	A	300	258	300*	231
thoroughly	45	216	329	109	156	thru	4	0	0	74	0
thoroughness	2	8	14	1	18	thrum	1	11	4	2	2
those	AA	M	M	M	M	thrush	6	57	5	39	20
thou	AA	700	40	700*	M	thrust	40	220	187	181*	137
though	AA	M	M	M	M	Thucydides	2	4	1	1	34
thought	AA	M	M	M	M	thud	4	10	41	17	14
thoughtful	15	46	110	60	61	thumb	27	160	150	125*	65
thoughtfully	14	44	130	74	19	thump	13	90	53	70	24
thoughtfulness	1	7	0	6	5	thunder	46	290	138	210*	201
thoughtless	5	43	17	19	15	thunderbolt	8	57	12	69	13
thoughtlessly	1	14	7	7	2	thundercloud	1	7	8	5	4
thousand	AA	M	M	M*	M	thunderer	2	6	6	28	2
thousandth	1	11	5	7	3	thunderous	2	7	10	11	9
Thrace	1	2	0	2	28	thunderstorm	3	12	16	17	17
Thracian	1	14	0	2	9	Thursday	31	300	105	140*	16
thrall	4	57	1	18	4	thus	AA	700	598	700*	M
thrash	10	90	20	55	25	thwack	1	6	2	8	3
thrasher	1	2	2	20	6	thwart	7	57	35	14	24
thread	A	500	162	279*	176	thy	A	430	38	430*	756
threadbare	2	14	9	8	8	thyme	2	16	7	10	3
threat	17	90	108	29	80	thymself	15	160	3	60	57
threaten	A	250	225	250*	278	tiaia	1	12	7	3	4
three	AA	M	M	M	M	Tiber	3	28	0	5	26
threefold	2	28	8	4	8	Tiberius	1	7	1	7	10
threescore	4	57	2	14	9	tick	12	144	48	18	20
thresh	1	1	19	15	0	ticker	2	1	39	0	2
thresher	1	7	6	2	6	ticket	A	200	695	200*	146
threshold	13	90	69	45	44	ticking	1	16	5	2	2
threw	A	320	398	320*	348	tickle	10	90	33	33	27
thrice	12	130	7	40	51	ticklish	1	5	7	8	2

Ticonderoga to toleration

	G	T	L	J	S		G	T	L	J	S
Ticonderoga	1	2	3	6	8	toady	2	10	9	11	4
tidal	3	16	10	7	32	toady	7	18	55	37	17
tidbit	1	4	18	9	0	toady	1	6	2	2	4
tiddlywinks	1	0	23	0	0	toady	AA	700	105	10*	323
tide	46	245	124	245*	216	toady	4	7	34	19	16
tidings	12	90	17	71	45	toady	7	57	31	36	19
tidy	4	18	42	15	14	toady	22	200	35	0	170
tie (tying)	AA	700	489	485*	301	toady	12	50	63	16	95
tier	3	14	32	8	13	toady	3	57	0	2	2
tiger	30	130	103	277	40	Titan	4	18	5	37	14
tight	35	137	264	137*	104	titanic	1	6	7	2	7
tighten	11	28	125	22	25	titic	2	4	6	10	27
tightly	19	123	179	123*	32	titic	3	28	2	3	28
tigress	1	7	7	7	4	Titian	1	12	5	10	6
Tigris	1	12	0	3	18	title	A	312	206	312*	384
tile (ing)	15	130	69	34	51	titled	1	8	11	8*	4
till	AA	M	453	M*	911	titmouse	1	4	1	23	0
tillage	2	18	1	5	12	titter	1	10	9	3	7
tiller	3	18	13	14	15	titular	1	10	1	0	9
tilt	12	57	80	47	35	Titus	3	25	5	6	20
Tim	11	57	146	0	8	to	AA	M	M	M	M
timbale	1	3	16	0	0	toad	15	90	6	43	148
timber	30	113	93	144	192	toadstool	1	28	1	3	2
timbered	1	5	8	7	2	toast	20	115	180	34	39
time	AA	M	M	M	M	toaster	1	4	24	1	1
timely	5	28	27	11	27	tobacco	36	220	116	166*	163
timepiece	1	6	4	9	4	toboggan	2	14	15	11	2
timer	?	0	338	2	0	Toby	1	6	9	4	2
timid	15	96	49	84	52	today (to-day)	AA	M	M	M*	859
timidity	3	14	16	18	17	toddle	1	5	12	14	4
timidly	5	34	34	20	12	toe	35	200	148	200*	94
timorous	1	18	4	7	6	toga	1	5	1	1	23
Timothy	11	56	9	6	134	together	AA	M	M	M	M
tin	36	220	169	162*	98	toil	41	300	75	187*	186
tincture	2	18	8	1	11	toiler	1	4	8	6	13
tinder	2	16	2	15	11	toilet	11	90	66	24	26
tin foil	1	5	1	14	4	toilsome	1	16	1	12	4
ting	1	5	17	0	8	token	13	115	34	56	41
tinge	8	50	37	34	28	Tokyo (kio)	5	3	13	2	90
tinkle	7	50	49	31	11	told	AA	700	M	700*	M
tinker	6	8	28	60	23	Toledo	10	2	73	10	95
tinkle	9	90	0	23	19	tolerable	3	25	9	6	24
tinsel	2	28	8	9	4	tolerably	3	25	3	14	21
tint	13	57	77	47	57	tolerance	4	12	32	3	28
tiny	A	310	527	310*	164	tolerant	4	16	42	9	20
tip	A	340	361	280*	140	tolerate	7	16	46	20	49
tipple	1	8	1	2	8	toleration	3	28	6	2	20

toll to tractable

	G	T	L	J	S		G	T	L	J	S
toll	10	57	37	36	50	torpid	1	16	2	9	1
Tom	A	240	680	240*	504	torrent	14	96	48	65	54
tomahawk	3	12	1	19	23	torrid	3	50	1	6	10
tomato	11	90	165	9	23	torso	1	4	13	0	1
tomb	22	160	54	49	142	tortoise	6	90	2	17	15
tombstone	2	18	13	5	4	tortuous	1	16	2	3	11
tome	1	11	9	0	3	torture	25	115	224	50	75
Tommy	15	90	120	29	38	Tory 'ti	4	18	3	28	29
tomorrow	AA	700	610	502*	197	toss	46	245	246	245*	92
tom-tom	2	3	10	1	24	tot	1	6	8	8	3
ton	49	220	83	220*	363	total	A	290	277	290*	782
tone	A	245	536	245*	303	totally	9	30*	74	30	44
tongs	6	90	8	12	12	totter	8	57	27	39	35
tongue	A	700	201	391*	271	touch	AA	673	M	673*	613
tonic	4	28	37	6	11	touching (adj. prep.)	6	27	39	27*	24
tonight (to-night)	A	310	638	310*	88	touchy	1	2	11	4	2
tonnage	6	57	5	8	40	tough	18	57	202	21	55
tonsil	3	10	33	8	3	tour	20	57	149	21	136
Tony	16	3	287	1	8	tourist	19	50	116	10	180
too	AA	M	M	M	M	tourmaline	1	2	1	17	0
took	AA	M	M	M*	M	tournament	11	18	53	39	92
tool	40	245	134	182*	166	tourney	1	11	4	10	4
toot	2	16	16	8	9	tourniquet	1	5	16	0	13
tooth	47	245	61	245*	311	tousle	1	2	15	7	4
toothache	2	14	13	7	2	tout	1	7	18	0	1
toothbrush	3	2	43	3	4	tow	9	57	33	36	38
toothpick	3	28	22	8	5	toward	AA	M	M	M*	M
top	AA	M	896	M*	489	towards	44	?	44	?	357
topaz	2	18	12	12	1	towel	18	115	172	21	22
Topeka	2	11	9	1	22	tower	A	335	201	335*	277
topic	19	90	66	22	181	towering	6	35	21	35*	29
topmast	1	6	0	10	4	town	AA	M	M	M	M
topmost	4	28	13	21	11	town hall	1	1	0	3	25
topographical	1	6	0	3	14	Townsend	3	2	53	6	2
topography	1	11	1	0	21	township	9	50	11	41	65
topple	3	18	22	20	8	townsman	2	18	6	7	6
topsail	1	4	3	11	6	townspeople	1	3	17	10	4
topsy-turvy	3	28	7	17	2	toxin	1	18	0	0	4
torch	17	115	58	91	56	toy	49	370	221	221*	71
torchlight	1	6	3	9	4	trace	A	310	222	280*	309
tore	24	115	155	109	58	traceable	1	4	6	5	11
torment	18	160	61	76	37	tracery	1	11	11	6	3
tormentor (er)	1	11	4	12	2	track	A	310	309	310*	249
torn	34	220	164	153*	76	trackless	1	6	6	17	4
tornado	3	16	12	6	34	tract	17	130	26	36	122
Toronto	3	12	18	3	38	tractable	1	11	3	4	2
torpedo	4	18	11	16	28						

traction to treat

	G	T	L	J	S		G	T	L	J	S
traction	1	11	3	0	21	transfusion	1	8	4	2	12
tractor	12	28	156	1	35	trans.ress	4	57	5	6	6
trade	AA	700	523	700*	M	transgression	2	28	7	0	7
trademark	1	11	12	2	3	transgressor	1	14	0	1	3
trader	16	90	41	66	91	transient	5	57	24	2	14
tradesman	6	57	4	36	22	transit	5	50	7	10	28
trade union	2	7	0	0	43	transition	7	57	15	4	52
tradition	37	130	182	57	314	transitory	1	16	4	2	7
traditional	8	12	55	7	74	translate	18	115	64	26	131
traditionally	1	2	8	1	11	translation	13	50	25	8	158
Trafalgar	1	3	3	1	13	translator	1	8	2	1	15
traffic	36	130	237	24	273	translucent	3	28	14	12	11
tragedian	1	11	1	0	10	transmission	5	16	5	7	62
tragedy	27	115	189	42	144	transmit	9	25	23	15	101
tragic	16	57	148	21	65	transmitter	2	8	7	5	24
tragically	1	8	13	1	4	transmute	1	10	3	0	7
trail	A	200	471	386*	271	transparency	1	8	6	4	10
trailer	5	4	73	7	11	transparent	10	57	41	63	32
train	AA	M	M	M*	564	transpiration	1	16	1	0	8
trainer	15	2	19	243	19	transpire	2	7	5	0	16
training (n. adj.)	A	?	391	?	397	transplant	4	18	39	7	16
trait	7	11	63	23	43	transport	28	160	85	67	202
traitor	21	130	15	144	104	transportation	25	115	62	52	226
traitorous	1	12	2	11	8	transpose	1	16	1	0	6
tram	1	10	9	2	3	transverse	2	17	4	7	17
tramp	24	130	100	128	80	Transylvania	1	11	0	0	10
trample	15	130	41	57	45	trap	42	245	199	245*	78
tramway	1	5	3	1	15	trap door	2	5	3	21	7
trance	5	57	24	10	7	trapper	7	16	41	55	22
tranquil	6	48	14	15	32	trappings	3	7	11	33	18
tranquility (ll)	6	57	15	8	38	trash	3	16	42	5	5
tranquilly	1	9	4	4	4	travail	3	28	11	5	20
transact	4	50	8	7	13	travel (ed)	AA	700	692	700*	712
transaction	9	28	42	4	100	traveler (ll)	A	350	113	377*	203
transatlantic	2	8	11	2	27	traverse	16	90	21	49	129
transcend	1	16	9	0	10	travesty	1	8	10	0	7
transcendent	1	14	6	4	9	tray	17	57	203	20	26
transcontinental	3	11	15	4	33	treacherous	11	78	29	56	38
transcribe	1	14	3	1	15	treacherously	1	12	4	8	6
transcript	4	12	5	1	55	treachery	10	57	17	53	54
transfer	28	130	118	46	215	tread	26	250	55	116	54
transference	1	4	0	4	13	treason	15	115	6	45	104
transfigure	2	14	18	4	6	treasonable	1	12	0	4	11
transfix	1	16	8	9	1	treasure	A	320	173	232*	202
transform	17	90	77	54	91	treasurer	10	57	34	29	61
transformation	7	50	23	28	40	treasury	22	115	57	31	202
transformer	2	12	4	0	28	treat	A	420	394	409*	412

treatise to trout

	G	T	L	J	S		G	T	L	J	S
treatise	9	50	10	13	99	Trieste	1	11	1	2	20
treatment	41	160	239	70	271	trife ing)	24	160	137	60	87
treaty	A	90	72	64	682	trigger	4	14	21	42	11
treble	5	50	17	10	13	trill	3	18	14	18	10
tree	AA	M	442	M*	M	trim	42	310	190	191*	74
treeless	1	7	3	8	9	Trinidad	2	6	13	8	10
treetop	6	1	13	75	23	Trinity (t)	6	18	18	9	70
trek	1	3	10	0	7	trinket	3	18	20	13	17
Trelawney	1	1	8	2	20	trio	2	8	13	3	14
trellis	2	12	19	4	3	trip	AA	700	754	600*	335
tremble	A	300	354	300*	178	tripe	1	7	6	7	2
tremendous	28	74	189	108	143	triple	6	50	18	6	34
tremendously	6	16	57	23	14	tripod	2	12	4	33	4
tremor	3	11	20	13	10	Tripoli	1	7	0	3	10
tremulous	5	40	28	16	10	Tristan	1	2	2	12	10
tremulously	2	17	14	8	3	Tristram	?	4	8	84	937
trench	16	90	75	51	76	trite	1	8	13	1	3
trenchant	1	12	2	2	5	Triton	1	16	0	5	5
trencher	2	11	0	25	0	triumph	41	200	159	186*	198
trend	9	28	75	3	57	triumphal	5	50	10	12	23
Trent	2	11	2	5	30	triumphant	9	33	64	31	39
Trenton	5	11	45	25	18	triumphantly	6	24	56	21	20
trepidation	2	12	15	6	4	trivet	1	16	0	0	2
trespass	6	57	25	18	11	trivial	8	57	50	11	30
trespasser	1	2	11	3	4	triviality	1	6	10	1	5
tress	2	18	13	14	8	trod	12	130	12	31	30
trestle	1	3	10	9	0	trodden	2	16	4	15	15
trial	A	260	243	260*	286	Troilus	1	12	0	0	11
triangle	8	57	38	30	26	Trojan	4	18	3	29	33
triangular	4	18	20	19	32	troll	5	57	4	25	4
tribal	2	8	8	6	19	trolley	8	90	26	5	28
tribe	A	330	73	238*	311	troop	A	245	143	245*	782
tribesman	1	3	3	1	13	trooper	4	8	55	4	21
tribulation	2	18	10	4	9	trophy	8	90	14	19	29
tribunal	9	50	13	22	84	tropic	9	57	57	19	40
tribune (T)	5	5	64	13	18	tropical	12	57	52	32	84
tributary	13	130	15	22	77	trot	21	200	68	72	46
tribute	22	130	60	73	137	troth	2	28	1	13	9
trice	1	16	0	7	4	troubadour	1	11	3	4	7
trick	A	280	336	247*	126	trouble	AA	700	M	700*	734
trickery	1	7	9	6	5	troublesome	9	57	27	44	47
trickle	7	50	31	38	14	troubous	1	12	1	8	4
tricky	1	3	20	8	2	trough	8	57	22	39	28
tricolor	2	4	7	29	4	troupe	1	3	21	9	2
tricycle	1	10	8	5	0	trousers	21	130	125	69	60
trident	1	12	0	10	8	trousseau	2	5	30	0	5
tried	AA	500	M	907*	565	trout	17	90	29	142	61

traw to tutelage

	G	T	L	J	S		G	T	L	J	S
traw	2	12	2	24	6	Tulleries	1	5	4	23	0
trawel	1	8	4	12	6	tuition	2	12	22	9	5
troy	1	8	3	18	3	tulip	8	28	63	59	22
Troy	10	49	6	25	104	tumble	30	230	57	136*	92
truant	4	57	10	12	3	tumble-down	1	1	10	8	3
truce	3	16	5	20	30	tumbler	4	28	8	32	12
truck	23	90	255	17	68	tumor out	1	15	5	0	4
truculent	1	8	8	2	2	tumult	11	90	34	46	36
trudge	9	57	35	48	24	tumultuous	3	28	9	11	12
true	AA	M	M	M	M	tune	32	250	138	156*	82
truism	1	10	4	0	10	tuneful	2	14	2	19	4
truly	43	209	168	151*	249	tungsten	1	11	0	2	16
trump	3	28	14	10	19	tunic	5	18	34	29	14
trumpet	17	220	37	0	58	Tunis	2	28	5	5	10
trumpeter	1	14	6	9	1	tunnel	22	90	84	138	85
truncheon	1	12	0	4	13	Tunney	3	0	28	0	26
trundle	2	18	9	11	5	tunny	1	4	1	11	2
trunk	48	370	175	220*	115	turban (ed)	5	57	21	12	6
truss	2	14	6	8	9	turbid	1	11	1	2	7
trust	AA	635	418	504*	429	turbine	1	5	6	3	10
trustee	6	50	0	14	56	turbulence	1	16	1	3	4
trustful	1	6	7	10	7	turbulent	6	57	18	17	16
trusting (adj.)	6	35	28	26*	22	turf	10	90	17	51	30
trustworthy	3	16	13	0	30	Turin	1	4	2	0	12
trusty	7	57	10	48	15	Turk	14	90	16	29	130
truth	AA	700	698	700*	780	Turkestan	1	6	1	2	10
truthful	4	15	34	10	17	turkey	20	120	58	160	37
truthfully	3	13	35	9	9	Turkey	21	120	29	80	153
try	AA	M	M	M*	750	Turkish	16	90	30	9	173
trying	14	?	92	?	34	turmoil	4	16	35	15	12
tryout	1	3	19	1	0	turn	AA	M	M	M	M
tryst	1	8	5	3	4	turner (T)	5	14	67	8	17
tsar	1	2	1	2	18	turnip	10	90	40	34	19
tub	16	130	90	43	31	turnkey	1	5	12	8	1
tube	32	130	80	195	186	turnover	2	8	29	1	14
tuber	2	18	17	9	6	turnpike	2	12	3	15	8
tubercle	1	11	0	1	10	turpentine	4	57	9	5	8
tuberculosis	4	16	50	4	15	turquoise	3	14	34	5	12
tubing	1	0	6	13	0	turret	8	57	10	65	20
tubular	1	16	4	3	10	turtle	13	115	21	58	40
tuck	22	115	151	121	26	Tuscan	2	16	0	15	17
tucker	1	14	7	1	0	Tuscany	4	0	1	12	71
Tucson	1	1	5	2	10	tush	1	3	6	13	2
Tudor	1	3	9	1	14	tusk	2	11	1	27	5
Tuesday	25	260	77	115	9	tussle	1	11	1	10	2
tuft	9	57	17	70	23	tut	2	12	4	10	18
tug	16	115	94	56	28	tutelage	1	4	3	3	9

tutor to unattended

	G	T	L	J	S		G	T	L	J	S
tutor	10	90	26	39	32	Tyre	4	28	11	8	36
twain	5	28	18	16	28	Tyrian	1	8	0	7	6
Twain	8	28	3	0	124						
twang	3	16	9	29	4						
'twas	16	160	27	99	12	ubiquitous	1	4	7	4	4
tweet (T)	7	50	76	5	3	udder	2	28	1	7	0
tweezers	1	12	5	0	1	ugh	4	0	4	31	5
twelfth	10	115	23	24	29	ugliness	2	10	18	12	0
twelve	AA	700	413	435*	457	ugly	34	245	178	153*	37
twelvemonth	2	12	0	10	27	Ukraine	1	6	2	0	12
twentieth	9	57	33	30	47	ukulele	1	14	5	0	0
twenty	AA	700	673	700*	M	ulcer	1	18	7	0	3
'twere	6	115	1	6	1	Ulrich	2	2	23	9	2
twice	A	380	402	355*	282	ulster (U)	2	11	2	2	24
twig	22	160	30	151	65	ulterior	1	6	7	0	8
twilight	29	160	106	198	67	ultimate	12	13	69	21	115
twill	1	14	3	7	0	ultimately	8	5	26	11	111
'twill	7	115	10	18	0	ultimatum	2	2	17	1	21
twin	25	200	100	114*	41	ultra	1	6	4	0	24
twine	13	130	42	38	29	ultraviolet	2	4	46	0	0
twinge	2	14	17	4	3	Ulysses	5	57	5	3	32
twinkle	22	160	109	90	45	umbrella	13	115	41	61	34
twirl	3	16	17	26	11	Umbria (n)	1	3	0	0	21
twist	42	160	281	210	112	umpire	3	28	8	7	13
twitch	9	57	55	37	26	unabated	1	8	4	2	4
twitter	6	57	12	37	7	unable	37	90	239	140	213
'twixt	1	2	1	12	7	unaccountable (y)	2	10	14	14	12
two	AA	M	M	M	M	unaccustomed	3	14	25	13	15
twofold	2	18	5	1	12	unacquainted	1	16	11	2	5
twopence	1	2	8	13	6	unadulterated	1	6	5	0	7
two-thirds	1	6	18	0	0	unaffected	2	18	9	4	20
'twould	1	12	3	11	0	unafraid	1	0	12	6	0
Tyler	4	11	26	31	8	unaided	2	8	12	15	15
type	AA	230	788	230*	644	unalterable	1	10	5	2	11
typewriter	12	90	108	4	31	unalterably	1	6	3	1	8
typewriting	1	12	1	0	13	unaltered	1	12	0	3	7
typewritten	1	6	13	0	0	unanimity	1	12	3	2	16
typhoid	6	57	26	2	32	unanimous	6	34	31	10	50
typhus	1	6	9	0	17	unanimously	4	23	12	7	40
typical	16	14	118	20	141	unannounced	1	1	17	1	0
typically	1	0	7	0	15	unanswerable	1	8	9	1	2
typify	2	16	8	10	17	unapproachable	1	6	9	0	3
typist	1	8	12	0	5	unarmed	7	51	7	31	42
tyrannical	2	18	8	4	13	unashamed	1	3	11	1	6
tyrannous	1	16	1	1	2	unassumng	1	8	8	2	11
tyranny	12	115	14	21	66	unattainable	1	4	6	2	8
tyrant	13	130	18	36	60	unattended	1	4	10	3	3

unattractive to undertone

	G	T	L	J	S		G	T	L	J	S
unattractive	1	3	21	6	8	unconquered	1	11	4	4	5
unauthorized	2	10	21	6	8	unconquered	17	50	111	49	63
unavailing	1	12	4	6	4	unconsciously	8	49	57	23	26
unavoidable	2	12	14	5	26	unconsciousness	1	10	9	6	19
unaware	7	63	35	12	19	unconstitutional	1	12	2	1	15
unawares	3	27	10	9	12	uncontrollable	2	4	22	6	7
unbalanced	1	11	9	2	11	uncontrolled	1	12	8	1	10
unbearable	5	14	61	16	6	uncooked	1	4	12	1	1
unbecoming	2	16	15	5	4	uncooth	6	57	13	16	23
unbelief	1	18	11	0	5	uncover	12	90	51	50	36
unbelievable	2	3	35	4	6	unction	1	10	5	3	10
unbelievably	1	1	15	3	2	unctuous	1	18	4	2	5
unbeliever	1	10	4	1	4	uncultivated	1	6	1	6	5
unbelieving	2	12	18	7	2	uncut	1	10	5	4	5
unbiased (ssed)	1	16	9	1	6	undaunted	3	28	10	13	18
unbidden	2	12	8	12	7	undecided	1	12	7	4	8
unbind	1	10	0	3	5	undelied	1	16	1	5	2
unblemished	1	12	4	0	3	undeniable	1	3	5	3	9
unborn	3	28	19	1	8	undeniably	1	12	12	2	5
unbound	5	57	3	15	15	undernominational	1	0	0	0	18
unbridled	1	12	3	1	10	under	AA	M	M	M	M
unbroken	8	50	31	38	37	underbrush	8	18	8	117	12
unburned	1	7	3	2	6	underclothes	1	5	7	1	8
unbutton	1	4	10	3	2	undercurrent	1	5	13	3	1
uncanny	4	2	33	24	20	underestimate	1	3	7	0	13
unceasing	1	7	9	7	3	underfoot	1	7	17	6	4
unceasingly	1	5	6	6	2	undergo	11	90	22	33	61
uncertain	21	95	107	92	91	undergone	4	14	16	14	32
uncertainly	4	20	49	9	1	undergraduate	2	6	17	3	23
uncertainty	8	28	53	24	54	underground	18	90	19	132	85
unchangeable	1	14	2	3	4	undergrowth	1	10	12	10	3
unchanged	5	50	17	21	19	underline	1	28	4	1	2
unchecked	1	16	9	4	4	underling	1	8	8	8	3
unclasp	1	5	9	3	1	underlying	4	4	33	5	42
uncle	AA	700	730	700*	M	undermine	4	14	24	7	31
unclean	4	57	10	5	10	underneath	21	160	98	84	47
unclouded	1	12	2	0	10	undernourished	1	2	13	1	6
uncomfortable	15	74	112	44	47	undersell	1	7	3	0	12
uncomfortably	3	16	37	6	2	underside	1	4	6	5	6
uncommon	8	38	28	32	46	understand	AA	560	M	813*	628
uncommonly	2	12	12	12	10	understanding					
uncomplaining	1	4	11	7	2	(n. adj.)	A	140	338	227*	203
uncompromising	2	5	12	5	17	understood	A	200	352	245*	183
unconcern	2	19	9	5	5	undertake	20	87	66	90*	135
unconcerned	2	23	5	9	9	undertaker	3	12	29	14	9
unconditional	1	7	3	2	14	undertaking (n.)	11	33	25	29*	116
unconquerable	2	16	9	11	14	undertone	2	5	17	18	2

undertook to unheeding

	G	T	L	J	S		G	T	L	J	S
undertook	9	28	24	46*	66	unexpectedly	9	38	81	29	25
underwear	6	57	44	4	8	unexplained	1	2	5	2	12
underwent	1	10	7	6	11	unexplored	1	5	5	8	12
underwood	2	16	17	3	4	unfailing	2	12	10	14	13
underworld	5	7	47	20	17	unfair	8	18	59	26	48
undeserved	1	16	4	1	7	unfaithful	3	28	14	10	8
undesirable	5	14	42	6	31	unfamiliar	4	14	39	12	14
undeveloped	2	16	17	1	14	urfasten	2	8	16	11	3
undid	1	10	3	8	5	unfathomable	1	4	8	6	3
undiminished	1	11	3	3	4	unfavorable	5	15	25	12	45
undiscovered	2	14	7	7	12	unfavorably	1	3	7	1	10
undisputed	2	18	8	6	10	unfeeling	2	12	10	8	8
undisturbed	8	57	24	41	34	unfeigned	1	12	2	3	1
undivided	1	11	3	4	10	unfetter	1	10	6	1	6
undo	5	57	17	14	23	unfinished	6	50	28	29	17
undoing (n.)	3	23	7	8	20	unfit	10	90	24	25	57
undone	6	57	11	23	20	unfinching	1	12	10	5	0
undoubted	2	6	12	10	20	unfold	10	90	44	27	31
undoubtedly	21	44	110	72	169	unforeseen	2	10	16	4	13
undreamed	1	3	7	4	7	unforgettable	2	7	25	1	18
undress	7	50	54	17	8	unfortunate	24	95	108	110	121
undue	3	18	18	6	24	unfortunately	17	65	87	65	103
undulate	2	18	4	11	16	unfounded	1	11	7	1	3
undulation	1	16	0	1	14	unfrequent	1	18	0	6	4
unduly	2	7	10	8	26	unfriendly	4	28	19	14	14
undying	2	12	12	7	10	unfruitful	1	18	1	1	3
unearned	1	3	8	2	7	unfurl	2	28	6	6	7
unearth	2	10	10	10	9	unfurnished	1	12	4	1	3
unearthly	2	14	13	17	5	ungainly	2	10	7	15	7
uneasily	6	30	53	23	9	ungenerous	1	12	4	5	6
uneasiness	8	50	32	31	36	ungentle	1	16	2	4	3
uneasy	14	60	80	74	45	ungodly	1	14	1	1	2
uneducated	1	3	12	5	5	ungovernable	1	12	4	2	2
unemployed	8	28	66	3	59	ungracious	1	14	5	5	5
unemployment	15	3	93	1	190	ungrateful	7	90	13	24	16
unending	2	1	13	15	9	unguarded	4	50	8	12	15
unendurable	1	1	14	4	6	unhallowed	1	16	0	1	4
unequal	6	46	12	17	42	unhandsome	1	16	1	1	1
unequaled (ll)	1	11	5	7	4	unhappily	4	25	18	19*	13
unequivocal	1	8	7	0	8	unhappiness	3	8	49	5	5
unerring	2	12	10	10	7	unhappy	39	235	185	177*	111
unerringly	1	6	8	2	2	unharmful	2	5	14	16	8
uneven	6	49	32	23	12	unhealthy	3	28	9	11	13
unevenly	1	8	9	2	0	unheard	2	18	9	14	7
uneventful	1	2	14	8	6	unheard-of	3	42	3	1	16
unexamined	1	10	0	2	10	unheeded	3	50	6	7	7
unexpected	19	77	146	80	41	unheeding	1	2	10	4	4

unhesitatingly to unquenchable

	G	T	L	J	S		G	T	L	J	S
unhesitatingly	1	4	5	3	8	unholy	1	2	10	9	3
unholy	2	12	10	6	9	unlucky	5	57	17	38	33
unhurt	2	18	7	17	3	unmanageable	1	3	8	7	5
unification	1	12	1	0	8	unmanly	1	14	0	4	1
uniform	A	220	267	220*	180	unmarriageable	7	59	56	8	20
uniformity	4	14	14	7	42	unmask	1	10	4	1	5
uniformly	5	25	12	25*	42	unmurmured	1	10	2	3	4
unify	2	12	12	1	25	unmusical	1	12	10	6	6
unimportant	6	50	40	8	31	unmindful	1	8	6	10	4
uninhabited	2	16	5	9	9	unmistakable	4	13	47	17	12
uninjured	2	14	5	12	8	unmistakably	1	3	12	4	6
unintelligible	2	12	10	3	19	unmixed	1	14	3	5	8
uninteresting	1	3	26	51	35	unmolested	2	16	7	10	4
uninterrupted	3	18	19	9	22	unmoved	6	50	24	18	18
uninvited	1	12	6	5	2	unnamed	1	6	11	2	11
union	AA	370	239	370*	913	unnatural	6	47	26	18	29
unionist (U)	1	7	2	1	14	unnaturally	1	10	10	1	6
unique	14	28	101	23	102	unnecessarily	3	12	23	1	12
unison	4	50	13	8	10	unnecessary	17	78	107	33	96
unit	29	57	165	4	304	unnerve	1	5	10	4	1
Unitarian	1	3	0	2	18	unnoticed	4	16	21	22	16
unite	A	?	268	?	458	unnumbered	1	14	4	5	7
United States	AA	?	424	?	M	unobserved	4	50	13	17	3
unity	12	90	27	11	93	unobtrusive	1	9	12	4	2
universal	40	186	111	186*	241	unoccupied	5	57	13	12	15
universally	9	44	19	44*	66	unofficial	1	2	10	0	16
universe	15	57	59	43	120	unopened	1	8	17	6	3
university	A	235	485	235*	748	unorganized	1	1	4	1	14
unjust	13	130	34	29	43	unpack	2	16	27	7	3
unjustly	3	30	5	14	7	unpaid	2	18	10	6	14
unkempt	1	5	19	6	9	unparalleled	2	12	8	6	18
unkind	7	63	34	16	16	unperceived	1	10	1	3	5
unkindly	2	27	7	11	6	unpitied	1	16	0	0	2
unkindness	1	16	4	4	4	unpleasant	15	82	114	48	42
unknown	A	245	207	228*	232	unpleasantly	1	7	6	5	8
unlace	1	6	1	9	4	unpleasantness	1	5	7	2	4
unlawful	3	29	8	11	23	unpopular	4	28	12	13	28
unlearned	2	28	4	3	3	unprecedented	5	18	26	8	48
unless	AA	390	601	390*	461	unpremeditated	1	7	7	4	4
unlettered	1	16	2	2	4	unprepared	2	11	16	9	13
unlike	22	94	85	78	141	unprincipled	1	8	1	4	5
unlikely	5	21	25	16	30	unproductive	1	4	6	0	14
unlimited	8	50	43	15	47	unprofitable	4	50	12	7	18
unload	8	50	40	29	32	unprotected	2	10	5	22	14
unlock	7	57	48	24	14	unpunished	1	12	3	5	2
unlooked-for	1	18	2	10	5	unqualified	1	4	4	0	17
unloose	1	11	3	8	12	unquenchable	1	10	11	3	3

unquestionable to unwilling

	G	T	L	J	S		G	T	L	J	S
unquestionable	2	4	16	4	12	unsteadily	2	10	27	4	0
unquestionably	4	10	31	8	36	unsteady	3	18	23	15	10
unquestioned	1	10	9	4	12	unsuccessful	6	40	14	14	53
unquiet	1	28	0	1	6	unsuccessfully	1	10	15	0	4
unravel	2	14	10	8	4	unsuitable	2	18	10	11	6
unreal	3	18	33	5	12	unsuited	1	10	7	2	5
unreality	1	4	17	1	7	unsullied	1	8	7	1	4
unreasonable	8	48	56	17	24	unsupported	1	10	1	1	6
unreasonably	1	9	7	5	6	unsurpassed	1	10	3	2	20
unrelenting	1	11	3	2	8	unsuspected	2	16	12	7	9
unreliable	1	4	9	5	14	unsuspecting	2	5	14	13	3
unremitting	1	11	3	3	2	unsuspicious	1	10	1	9	4
unreservedly	1	8	4	2	7	untamed	1	8	9	5	7
unrest	6	12	20	12	80	untaught	1	14	4	6	2
unrestrained	2	12	11	6	13	unthinkable	2	7	19	3	10
unrighteous	1	14	1	3	5	unthinking	1	11	6	3	9
unripe	1	14	5	2	4	untidy	3	12	29	13	0
unrivalled (ll)	1	16	3	4	6	untie	5	57	14	22	9
unroll	1	1	13	13	8	until	AA	M	M	M	M
unruffled	1	7	8	3	5	untimely	4	50	6	12	16
unruly	4	50	5	20	11	untiring	2	18	9	14	6
unsafe	4	50	4	9	11	unto	A	290	25	290*	866
unsatisfactory	5	18	32	16	38	untold	4	28	21	25	12
unsatisfied	1	11	9	6	6	untouched	5	28	32	30	14
unsavory	1	14	7	2	0	untoward	1	12	0	4	7
unscathed	1	4	9	9	2	untrained	2	18	17	10	7
unscrupulous	4	18	18	5	34	untrammeled (ll)	1	4	13	1	8
unseasonable	1	16	4	1	0	untried	2	12	6	14	8
unseemly	1	14	4	7	10	untrod	1	18	0	0	3
unseen	15	130	44	65	40	untroubled	1	11	4	6	10
unselfish	3	14	32	11	11	untrue	5	27	21	12	11
unselfishness	1	7	12	4	2	untutored	1	16	8	1	4
unsettle	1	14	3	0	5	unused	4	28	20	25	12
unsettled	3	43	8	5	14	unusual	36	99	273	127	158
unshaken	1	16	6	6	7	unusually	11	31	91	48	38
unsheathe	1	10	1	8	1	unutterable	1	6	6	5	6
unsightly	2	16	15	5	8	unutterably	1	5	16	2	0
unskilful (ll)	1	16	0	2	2	unvarying	1	10	3	0	5
unskilled	3	11	8	4	40	unveil	2	16	10	4	17
unsophisticated	1	4	8	5	6	unwarranted	1	2	12	2	10
unsought	1	16	2	2	4	unwary	2	12	7	9	11
unsound	2	14	14	3	13	unwashed	1	4	16	3	6
unspeakable	5	42	20	14	18	unwearied	2	28	3	3	3
unspeakably	1	15	3	13	2	unwelcome	5	57	15	11	24
unspoiled	1	3	12	2	3	unwholesome	4	50	4	12	7
unstable	2	16	5	3	16	unwieldy	1	16	4	8	2
unstained	1	18	1	1	6	unwilling	12	72	45	48	62

unwillingly to uttermost

	G	T	L	J	S		G	T	L	J	S
unwillingly	2	18	13	21	5	Urania	1	4	1	2	17
unwillingness	2	16	13	9	9	Uranus	2	2	0	45	0
unwise	5	45	21	10	26	urban	4	11	19	4	45
unwisely	1	11	8	3	4	urbin	5	57	9	23	9
unwittingly	1	12	12	7	2	urge	A	270	516	270*	284
unwonted	2	14	2	18	4	urgency	1	6	13	2	8
unworthiness	1	14	4	0	0	urgent	7	45	52	23	41
unworthy	10	90	38	30	36	urgently	2	12	17	1	12
unwrap	1	1	17	2	2	urine	1	13	1	3	1
unwritten	1	14	10	4	3	urn	8	115	23	7	14
unyielding	1	2	10	9	2	Uruguay	1	16	1	0	8
up	AA	M	M	M	M	us	AA	M	M	M	M
upbraid	3	38	4	4	7	U. S.	7	57	47	36	0
upbraiding (n.adj.)	1	19	1	2	3	U. S. A.	1	8	12	0	0
upbuild	1	1	6	1	12	usable	1	4	15	2	6
upheaval	2	3	7	7	21	usage	7	50	17	12	49
upheld	4	28	7	15	22	use	AA	M	M	M	M
uphill	3	18	15	15	6	useful	A	363	215	265*	216
uphold	9	90	10	20	55	usefully	3	17	10	13	11
upholster	3	16	32	8	5	usefulness	4	14	16	24	32
upholstery	2	7	35	3	7	useless (ly)	27	160	129	114	88
upkeep	2	10	16	2	14	uselessness	1	7	7	5	0
upland	6	50	14	21	39	user	3	16	20	4	17
uplift	10	57	38	44	52	usher	10	57	51	39	36
upmost	1	6	0	0	13	usual	A	300	516	398*	377
upon	AA	M	M	M	M	usually	AA	400	718	583*	632
upper	A	360	228	322*	378	usurp	5	57	9	10	14
uppermost	3	18	12	14	17	usurpation	1	14	0	2	9
upraise	1	7	8	11	3	usurper	2	28	0	14	5
upright	29	220	97	131*	76	usury	1	18	1	1	2
uprightness	1	16	0	5	1	Utah	7	18	15	14	84
uprising	6	52	11	10	42	utensil	8	57	48	20	24
uproar	11	90	30	70	21	Utter	2	7	1	36	9
uproarious	1	4	6	6	3	Utica	1	8	2	2	10
uproot	5	57	15	13	10	utilitarian	1	12	10	2	7
uprose	1	16	0	1	4	utility	12	57	65	12	84
upset	20	90	165	55	64	utilization	2	6	9	2	26
upshot	2	11	11	7	8	utilize	11	50	42	17	92
upside	7	16	42	46	25	utmost	23	130	77	82	133
upstairs	9	57	314	37	40	Utopia (u)	2	16	28	0	7
upstart	1	14	6	9	5	Utopian (u)	1	4	18	0	5
upstream	3	6	12	34	8	Utrecht	1	5	0	0	18
up-to-date	3	10	33	2	11	utter	A	260	240	237*	210
upturn (ed)	3	18	23	10	16	utterance	12	90	24	15	90
upward	32	175	111	175*	127	uttermost	6	57	10	9	38
upwards	7	45	9	45*	32						
Urals	1	6	7	1	9						

Va. to velocity

	G	T	L	J	S		G	T	L	J	S
Va.	2	4	7	1	30	vane	3	50	1	12	2
vacancy	7	67	22	14	29	vanguard	1	11	1	4	10
vacant	15	146	49	27	54	vanilla	5	14	86	0	4
vacantly	1	14	5	4	4	vanish	39	220	183	180*	136
vacate	1	11	10	4	10	vanity	20	160	89	27	91
vacation	33	160	313	42	80	vanquish	6	57	8	19	37
vaccination	2	28	5	2	6	vantage	4	50	10	9	12
vacillate	2	12	0	3	8	vapor	27	220	13	126*	144
vacuum	5	14	48	11	22	variable	5	50	8	6	42
vagabond	8	50	19	45	35	variance	2	18	4	6	20
vagary	2	16	12	4	20	variant	1	4	4	1	10
vagrant	5	57	9	8	16	variation	14	18	84	30	129
vague	20	34	159	68	105	varied	13	49	52	49*	100
vaguely	12	23	152	20	31	variegated	1	14	6	6	4
vagueness	1	6	14	9	4	variety	A	220	396	330*	375
vail	1	28	0	5	1	various	AA	330	459	330*	M
vain	A	335	96	231*	261	variously	2	8	10	8	27
vainly	8	55	28	37	29	varlet	2	10	0	18	25
valance	3	4	59	0	1	varnish	6	57	26	5	25
vale	13	160	8	34	40	varsity	1	2	15	0	4
valentine	7	57	63	15	5	vary	A	181	193	181*	370
Valentine	1	?	?	1	11	vascular	1	12	2	0	9
valet	3	16	21	13	6	vase	12	57	53	76	35
Valhalla	1	2	1	26	1	vassal	9	57	1	108	13
valiant	10	80	28	40	48	Vassar	1	1	20	1	6
valiantly	4	35	21	15	14	vast	A	252	241	252*	438
valid	2	4	22	5	18	vastly	7	28	32	28*	42
validity	2	12	6	1	20	vastness	2	16	6	4	10
valise	2	8	20	7	16	vat	5	28	26	14	30
valley	AA	700	289	579*	748	Vatican	3	14	2	12	32
Valley Forge	2	0	4	3	42	vaudeville	4	7	61	0	12
Valois	1	3	3	0	16	vault	17	130	35	96	61
valor	8	90	0	39	29	vaunt	4	50	4	5	13
Valparaiso	1	6	2	1	18	veal	5	28	63	7	3
valuable	A	245	194	245*	365	veer	3	18	15	9	13
valuation	5	12	15	2	77	Vega	1	2	2	10	6
value	AA	695	384	695*	M	vegetable	A	250	427	250*	167
valued (adj.)	1	5	3	5	8	vegetarian	1	6	6	2	17
valve	9	57	40	35	45	vegetation	11	57	13	75	61
vamp	1	12	14	0	1	vehemence	5	50	14	10	21
vampire	1	8	9	2	5	vehement	4	30	7	29	14
van	29	115	348	51	21	vehemently	3	27	17	10	16
Van Buren	1	2	5	2	11	vehicle	13	57	49	36	95
Vancouver	3	3	15	8	38	veil	30	160	129	119	136
vandal (V)	1	7	5	6	8	vein	30	225	88	137*	98
Van Dyck (Van-						vellum	1	11	4	6	2
dyke)	1	1	1	21	2	velocity	8	28	6	32	95

velvet to vice versa

	G	T	L	J	S		G	T	L	J	S
velvet	32	220	177	134*	43	vernacular	2	11	6	1	23
velveteen	1	1	4	12	2	vernal	1	16	0	6	6
velvety	2	14	15	17	5	Vernon	7	8	14	59	50
venal	1	10	7	0	3	Vernona	2	5	1	1	45
vender	2	4	2	18	13	Versailles	5	14	13	4	60
vendor	2	11	5	10	18	versatile	2	7	21	1	15
veneer	1	16	14	0	3	versatility	1	8	11	2	5
venerable	6	57	8	18	40	verse	38	222	58	171*	234
venerate	1	12	1	0	7	versed	2	15	9	12*	14
veneration	1	11	1	11	10	version	10	16	70	10	89
Venetian	9	28	16	66	69	versus	2	4	28	0	8
Venezuela (n)	2	18	9	4	20	vertebra 'ae;	1	15	7	1	4
vengeance	17	130	24	83	69	vertebrate	1	18	3	2	6
vengeful	1	11	8	3	5	vertical	10	47	24	29	95
Venice	14	57	29	99	84	vertically	2	10	9	12	11
venison	6	57	3	37	11	very	AA	21	21	21	21
Venizelos	1	0	0	0	21	vesper	1	11	17	3	0
venom	5	50	6	42	7	vespers 'V;	2	16	20	10	6
venomous	4	18	15	43	5	vessel	A	450	95	450*	486
vent	7	57	24	23	30	vest	21	187	39	100*	53
ventilate	3	28	25	2	16	vestal	1	14	1	2	3
ventilation	5	50	33	3	21	vested	1	13	3	0	4
ventilator	1	4	7	7	3	vestibule	2	16	16	7	5
ventral	1	12	0	1	15	vestige	5	50	11	15	18
ventricle	1	28	0	2	4	vestment	2	14	1	6	27
venture	35	160	153	160*	170	vestry	2	6	12	9	20
venturesome	1	10	4	10	4	vesture	1	16	0	0	2
venturous	1	16	0	0	2	Vesuvius	2	11	8	6	14
Venus	14	57	20	113	64	veteran	18	57	83	47	142
veracity	1	10	4	1	4	veterinary	1	10	5	1	2
Veracruz (Vera Cruz)	1	14	1	6	2	veto	6	18	25	18	55
veranda (dah)	8	14	85	30	26	vex	17	200	16	80*	25
verb	5	57	6	2	25	vexation	5	57	8	26	16
verbal	4	18	26	2	31	vexatious	1	10	0	5	5
verdant	2	16	4	16	6	via	8	18	31	11	86
Verde	3	2	1	50	6	viaduct	1	12	12	4	2
verdict	11	50	57	18	74	vial	2	18	10	8	7
verdure	4	50	2	11	15	viand	1	16	3	6	5
verge	9	57	38	21	56	vibrant	2	11	31	4	7
verify	7	50	25	14	47	vibrate	10	50	33	86	26
verily	6	57	15	34	11	vibration	10	28	25	74	70
veritable	5	16	31	26	27	vibrator	1	11	1	0	14
verity	2	12	21	2	5	vicar	3	18	5	12	23
vermillion	2	10	16	14	3	vice	34	230	134	154*	98
vermin	3	8	11	36	6	vice-president	6	7	13	30	66
Vermont	8	28	42	10	74	viceroy	4	16	9	18	37
						vice versa	2	11	2	3	23

vicinity to vividly

	G	T	L	J	S		G	T	L	J	S
vicinity	13	57	45	47	94	violence	29	160	81	126	157
vicious	9	70	51	20	30	violent	29	105	130	130	170
viciously	2	20	19	10	0	violently	15	55	77	91	61
vicissitude	4	50	9	2	20	violet (V)	34	220	109	220*	64
Vicksburg	1	5	3	6	6	violin	11	90	49	34	30
victim	36	130	205	122	203	violinist	2	10	21	3	12
victor	11	83	54	21	43	viper	5	57	6	23	5
Victor	6	47	?	5	32	Virgil	3	16	13	10	26
Victoria	11	30	63	26	88	virgin (V)	17	160	46	30	84
Victorian	6	15	76	0	19	virginal	1	14	10	3	3
victorious	14	130	14	43	77	Virginia	A	200	165	200*	473
victory	A	245	118	245*	460	Virginian	10	20	8	20	144
victuals)	6	57	5	37	16	virginity	1	18	2	0	1
vie	3	28	10	10	21	virile	1	6	12	0	10
Vienna	12	57	37	16	106	virtual	3	8	17	1	29
Viennese	1	2	8	1	9	virtually	9	22	43	17	80
view	AA	700	635	700*	M	virtue	A	280	126	253*	352
viewless	1	16	1	0	2	virtuous	11	130	26	13	37
viewpoint	6	11	58	1	51	virulence	1	4	1	0	15
vigil	3	28	16	5	8	virulent	1	10	3	1	8
vigilance	5	28	16	29	33	visage	6	57	9	21	26
vigilant	3	18	10	10	24	viscount	3	16	2	1	36
vigor	19	160	46	48	89	vise	2	11	4	34	0
vigorous	19	38	88	82	135	visibility	1	4	11	1	13
vigorously	9	19	70	42	42	visible	25	100	110	94	152
Viking (v)	4	10	12	57	8	visibly	3	15	26	10	19
vile	14	130	45	33	47	vision	45	160	248	165	243
villa	7	28	52	24	32	visionary	2	28	3	3	13
village	AA	700	389	538*	526	visit	AA	M	773	?	633
villager	4	50	14	16	4	visitant	1	11	0	2	6
villain	11	90	20	48	52	visitation	4	57	8	10	11
villainous	2	16	7	11	15	visitor	40	130	259	124	209
villainy	3	50	1	5	13	visor	1	4	6	12	9
villein	1	2	0	25	7	vista	4	12	31	7	30
Vincennes	1	2	1	15	5	visual	2	18	18	1	16
Vincent	9	8	129	2	32	visualize	3	8	42	0	14
vindicate	2	16	10	4	21	vital	21	77	166	30	117
vindication	1	10	6	3	13	vitality	8	28	65	11	46
vindictive	3	18	11	11	16	vitaly	2	10	23	5	13
vine	38	260	119	260*	52	vitamin (mine)	1	3	15	0	0
vinegar	12	90	92	24	14	vitiate	1	10	3	0	5
vineyard	8	57	11	61	17	vitriol	1	14	2	3	1
vintage	2	28	12	4	8	vivacious	2	11	21	9	4
viol	1	16	1	16	1	vivacity	2	12	10	3	14
viola	2	4	32	0	0	vive	1	0	4	8	12
violate	13	115	31	8	85	vivid	17	66	119	43	80
violation	8	18	23	8	95	vividly	6	24	48	18	23

vicinity to vividly

	G	T	L	J	S		G	T	L	J	S
viz.	2	10	0	1	35	Walden	1	6	5	5	8
vizier	3	5	3	35	10	wald	2	12	10	0	5
vocabulary	6	57	20	1	10	wadda	2	10	5	23	7
vocal	8	57	40	10	30	wade	15	57	142	57	30
vocation	4	15	10	14	25	wafer	4	5	10	2	6
vocational	2	10	25	2	0	waffle	3	4	52	3	2
vociferous	2	7	12	8	9	waft	6	57	12	10	23
vogue	6	15	54	7	20	wag	12	115	30	35	32
voice	AA	M	M	M*	M	wage	A	250	200	250*	540
voiceless	1	6	3	0	5	wager	5	25	20	33	20
void	12	150	35	24	40	Wagner	6	6	10	55	42
voile	1	15	14	1	0	wagon	A	350	325	350*	163
volatile	3	18	8	3	26	waggoner	1	25	3	3	1
volcanic	7	28	7	48	48	waif	1	8	10	10	6
volcano	14	57	22	101	77	wail	20	130	112	57	63
Volga	1	11	5	0	14	wain	1	16	3	8	7
volition	1	8	5	2	14	wainscot	1	14	1	17	2
volley	6	50	19	17	30	waist	33	250	120	150*	49
Volstead	2	4	5	0	43	waistcoat	5	25	31	28	9
volt	2	14	6	1	23	waistline	2	11	50	0	0
Voltaire	2	14	4	0	20	wait	AA	M	M	M*	614
voluble	2	18	6	5	7	waiter	13	57	150	10	19
volubly	1	10	6	2	2	waiting n. adj.	25	?	204	?	27
volume	A	240	211	240*	773	waitress	3	10	39	2	3
voluminous	2	12	18	4	13	waive	1	11	7	3	14
voluntarily	2	20	19	14	26	wake	A	430	257	202	189
voluntary	7	37	28	13	64	wakeful	2	18	12	9	5
volunteer	17	57	98	69	99	wakefulness	1	7	3	3	5
voluptuous	2	14	16	2	11	waken	12	115	37	62	19
vomit	4	50	10	5	12	Waldo	1	2	7	12	2
von	14	2	37	20	156	Wales	15	57	46	88	84
voracious	1	11	3	4	4	walk	AA	M	M	M*	806
votary	1	16	1	3	5	walker	4	25	24	24	0
vote	AA	290	372	290*	913	wall	AA	M	M	M*	863
voter	17	57	85	73	101	Wallace	7	18	58	18	36
votive	1	12	0	0	10	wallet	6	57	36	17	8
vouch	3	28	15	7	12	wallop	1	6	12	4	12
vouchsafe	4	57	5	13	4	wallow	4	50	8	18	13
vow	37	220	161	220*	71	walnut	11	90	75	22	28
vowel	5	57	33	3	5	Walpole	1	2	7	1	16
voyage	41	235	81	235*	197	walrus	2	11	13	3	10
voyager	2	11	5	27	9	Walt	1	0	24	0	2
Vulcan	3	18	0	30	9	Walter	25	160	150	67	78
vulgar	11	90	54	7	49	Waltham	1	16	1	1	4
vulgarity	1	12	13	0	7	Walton	1	4	1	6	12
vulnerable	1	12	12	3	8	waltz	3	10	33	10	16
vulture	4	28	12	14	18	wampum	1	18	1	11	3

wan to weak

	G	T	L	J	S		G	T	L	J	S
wan	5	49	33	10	11	Washington	AA	320	477	320*	M
wand	12	160	19	33	20	wasn't	AA	90	M	238	58
wander	A	370	225	305*	248	wasp	13	57	11	151	18
wanderer	5	50	19	40	25	wast	11	130	0	7	?
wane	7	57	23	25	34	waste	AA	700	338	477*	393
wan'y	1	8	16	0	0	wasteful	6	16	40	17	35
wart	AA	M	M	M	M	watch	AA	M	M	M*	641
wanting	22	?	158	?	44	watchdog	1	4	6	12	6
wanton	7	95	8	6	23	watcher	3	16	13	25	16
wantonly	1	20	1	3	4	watchful	13	115	44	56	35
wantonness	1	28	0	3	3	watchfulness	2	7	8	22	11
war	AA	M	M	M	M	watchman	7	57	31	45	9
warble	6	90	4	14	5	watchtower	1	7	0	13	7
warbler	2	18	3	14	3	watchword	2	16	2	9	15
ward	18	102	119	58	51	water	AA	M	M	M	M
Ward	10	58	65	21	42	water-color	1	2	3	4	20
warden	7	16	91	8	23	watercourse	2	10	0	20	15
warder	1	12	0	17	3	water cress	2	5	29	2	1
wardrobe	10	57	94	22	12	waterfall	10	90	13	57	26
ware	18	130	74	30	99	waterfowl	1	8	1	9	3
warehouse	10	57	33	31	61	waterfront	1	3	10	4	7
warfare	14	57	41	66	88	water lily	1	3	5	12	4
warily	2	2	17	20	11	Waterloo	3	12	6	12	32
warlike	8	57	15	36	38	waterman	1	12	1	13	2
warm	AA	M	718	M*	392	watermelon	1	12	11	3	4
warmly	9	?	53	?	31	waterproof	6	50	29	16	16
warmth	23	115	153	71	75	watershed	1	8	3	1	11
warn	A	265	366	265*	332	Watertown	1	2	3	5	8
Warner	4	14	22	13	29	waterway	5	18	5	33	48
warning (n. adj.)	11	25	131	25	30	waterworks	1	5	1	1	18
warningly	1	2	7	2	8	watery	5	57	15	15	15
warp	12	90	60	33	38	Watson	4	3	39	13	32
warrant	20	130	63	84	94	watt	2	9	20	16	3
Warren (w)	7	8	120	0	0	Watt	4	9	0	50	16
warrior	37	235	41	210*	186	wave	AA	700	478	593*	601
Warsaw	2	11	6	1	28	waver	14	130	57	42	27
warship	3	16	7	19	33	wavy	2	11	20	15	4
wart	1	16	3	7	5	wax	28	200	100	127*	82
wartime	1	2	12	2	10	waxen	2	28	8	9	7
Warwick	3	18	7	15	17	way	AA	M	M	M	M
wary	7	50	27	41	18	wayfarer	2	4	9	14	12
was	AA	M	M	M	M	waylay	1	9	4	3	3
wash	AA	611	563	436*	261	Wayne	8	4	27	13	102
washable	2	1	42	0	0	wayside	5	57	16	14	18
washer	4	28	11	32	7	wayward	5	57	13	11	10
washerwoman	1	4	1	7	13	we	AA	M	M	M	M
washing (n.)	16	90	102	64*	38	weak	A	620	276	386*	332

	G	T	L	J	S
weaken	14	57	74	29	191
weakling	2	14	15	13	4
weakly	11	85	69	56*	12
weakness	37	230	123	155*	154
weal	3	28	10	5	13
wealth	A	380	243	354*	530
wealthy	27	160	147	35	147
wean	4	50	9	11	4
weapon	42	235	149	204*	172
wear	AA	700	950	700*	420
wearer	3	28	10	13	10
wearily	12	60	95	56*	12
weariness	11	90	40	35	37
wearisome	3	28	5	12	12
weary	38	185	144	171*	185
weasel	9	28	3	120	17
weather	AA	696	403	491*	379
weather-beaten	2	8	21	7	6
weathercock	3	57	0	4	3
weave	22	220	28	99	50
weaver	7	57	30	25	18
web	14	150	34	43	34
Weber	1	7	3	11	4
Webster	7	16	43	14	72
wed	5	64	8	6	19
we'd	15	11	188	16	0
wedded	7	96	12	8	27
wedding	35	115	436	5	79
wedge	11	90	28	48	37
wedlock	1	18	9	3	4
Wednesday	28	280	88	128*	17
wee	16	220	50	2	18
weed	34	300	86	157*	85
weedy	1	16	5	3	3
week	AA	M	M	M*	780
weekend	10	1	172	3	7
weekly	25	90	118	18	226
ween	3	10	0	8	38
weep	38	315	98	174*	108
weeping (adj.)	4	15	42	22	9
weevil	2	16	11	0	17
weft	1	4	0	14	16
weigh	A	380	159	243*	191
weight	AA	700	357	517*	494
weighty	2	16	11	9	14
weir	1	6	4	0	16
weird	7	50	34	29	27

	G	T	L	J	S
weirless	A	380	312	366*	401
weld	5	50	8	8	40
welfare	25	13	17	62	150
well	AA	21	21	21	21
well	A	100	704	203	112
well-balanced	1	0	23	0	3
well-being	4	1	36	5	27
well-born	2	1	25	3	12
well-defined	2	1	10	5	23
Welladay	4	6	57	15	10
Wellington	2	10	23	13	0
well-known	17	11	106	20	175
well-marked	1	1	2	0	13
well-nigh	4	8	11	32	27
well-ordered	1	4	9	2	5
Wells	2	3	0	2	38
well-seasoned	1	0	12	4	4
well-to-do	4	4	34	10	24
well-trained	1	0	11	1	7
Welsh wj	5	28	15	17	36
Weisman	1	12	2	2	4
welt	1	12	7	1	4
welter	2	16	11	2	8
wench	4	57	3	17	4
wend	2	16	5	27	5
Wendell	2	3	34	1	4
went	AA	M	M	M	M
wept	23	160	91	96	100
were	AA	M	M	M	M
we're	43	16	661	68	42
weren't	20	7	267	16	10
wert	9	130	0	38	11
Wesley	1	3	6	3	8
west	AA	700	541	700*	M
westerly	2	6	1	7	22
western	A	340	214	340*	632
Westerner	2	0	26	2	11
West Indies	3	3	9	10	41
Westminster	8	50	7	37	65
West Point	1	3	2	14	10
West Virginia	1	9	3	6	10
westward	19	130	29	83	116
wet	A	380	319	354*	328
wether	1	14	3	0	3
we've	30	57	413	57	24
whack	3	7	22	25	10
whale	8	51	18	48	38

whalebone to whittle

	G	T	L	J	S		G	T	L	J	S
whalebone	1	8	2	4	4	whey	2	18	9	5	5
whaler	1	4	2	18	5	which	AA	M	M	M	M
whaling	1	6	2	13	5	whichever	5	50	20	10	17
wharf	12	50	46	105	24	whiff	2	16	14	13	10
Wharton	2	6	4	0	32	Whig	5	28	0	20	51
wharves	5	57	9	20	10	Whiggish	1	2	0	0	18
what	AA	M	M	M	M	while	AA	M	M	M	M
whate'er	5	90*	1	3	0	whilst	15	57	0	100	127
whatever	AA	340	601	340*	594	whim	5	18	40	16	17
whatnot	1	1	6	0	14	whimper	5	16	34	40	16
what's	43	4	686	69	30	whimsical	2	18	14	6	7
whatsoe'er	2	2	0	44	0	whine	11	55	75	52	17
whatsoever	12	160	26	0	46	whinny	1	4	1	20	2
wheat	A	700	158	404*	354	whip	41	250	258	250*	88
wheelie	2	16	27	3	2	whipping	3	20	13	20	7
wheel (ed)	A	700	265	420*	297	Whipple	1	3	23	1	6
wheelbarrow	2	18	7	8	7	whippoorwill	1	8	3	10	2
Wheeling	2	6	26	12	6	whir (rr)	6	20	23	59	8
wheeze	1	8	16	2	1	whirl	31	160	156	178	74
wheezy	1	4	6	7	2	whirlpool	3	18	10	11	16
whelk	1	5	0	20	0	whirlwind	8	90	15	21	28
whelp	3	18	23	11	4	whisk	6	57	33	24	8
when	AA	M	M	M	M	whisker	6	43	31	20	21
whence	34	270	23	156*	174	whiskered	1	7	3	2	6
whene'er	6	115	2	2	0	whiskey	9	28	97	13	41
whenever	A	280	273	247*	189	whisper	A	370	673	370*	251
where	AA	M	M	M	M	whist	1	12	7	2	7
whereabouts	2	12	17	14	7	whistle	A	340	211	249*	158
whereas	20	57	78	65	164	whistler (W)	5	1	10	11	76
whereat	7	90	6	27	11	whit	5	57	11	14	10
whereby	12	115	25	22	59	white	AA	M	M	M	M
wherefore	43	130	8	364	274	White	28*	?	?	?	128
wherein	16	130	32	57	76	white-faced	1	0	27	3	2
whereof	7	57	5	39	37	white-haired	1	3	24	2	2
whereon	6	57	8	31	15	Whitehall	1	11	1	4	16
where's	7	2	114	6	4	Whitehead	1	0	0	17	5
wheresoever	2	28	1	5	9	White House	2	0	28	8	0
whereunto	2	14	0	13	10	whiten	6	57	25	14	14
whereupon	13	57	36	97	51	whiteness	5	18	31	23	30
wherever	37	210	118	185*	161	whitewash	4	18	26	14	16
wherewith	5	57	9	28	10	whither	13	160	18	6	65
wherewithal	1	16	3	1	5	whithersoever	1	10	0	0	11
wherry	1	4	2	15	1	whitish	1	4	1	17	9
whet	2	28	7	10	6	Whitman	2	0	6	4	28
whether	AA	700	M	700*	M	Whitney	3	0	16	37	10
whetstone	1	11	0	6	3	Whittington	1	18	1	1	0
whew	2	28	4	5	6	whittle	3	11	11	23	9

whalebone to whittle

	G	T	L	J	S		G	T	L	J	S
whiz 'whizz	3	28	34	8	6	Wile	1	3	10	0	4
who	AA	M	M	M	M	wilderness	34	200	88	170*	121
whoever	15	150	52	32	71	wildfire	1	12	6	8	4
whole	AA	M	M	M	M	wildfly	16	78	100	76*	69
wholesale	11	57	49	13	95	wildman	2	14	3	23	5
wholesaler	1	1	3	1	26	wile	4	59	4	17	13
wholesome	16	130	64	52	58	Wilfred	1	3	17	1	8
whole-wheat	1	3	15	4	0	Wilhelm	2	3	22	0	16
who'll	1	2	23	3	2	Wilkes	2	2	3	30	8
wholly	27	115	174	69	180	Wilkinson	2	2	10	6	20
whom	AA	700	793	700*	M	will W	AA	M	M	M	M
whoop	7	57	27	26	14	wildful wil	6	44	26	19	19
whore	3	57	0	0	4	wildfully wil	1	13	4	3	9
whorl	1	10	0	2	6	William	A	410	368	410*	549
who's	9	2	166	0	6	Williams	13	3	97	11	120
whose	AA	700	830	700*	M	Williamsburg	1	5	4	5	12
whosoever	1	14	0	5	0	Willie	7	0	57	35	3
whoso	1	16	0	10	9	willing	A	290	304	290*	285
whosoever	1	16	1	0	7	willingly	11	50*	66	36*	47
why	AA	M	M	M	M	willingness	5	14	30	8	46
wick	4	16	9	48	10	wilow	24	200	47	120	74
wicked	36	260	88	192*	124	Wily	3	57	7	1	6
wickedly	2	16	7	12*	6	Wilmington	2	3	11	3	30
wickedness	4	3	16	28	25	Wilson	21	57	179	27	116
wicker	3	12	36	5	13	wilt	23	130	37	256	3
wicket	1	16	3	9	3	Wilton	1	6	11	0	6
wide	AA	M	593	M*	604	wily	3	16	8	16	16
wide-awake	1	1	6	6	7	win	AA	650	302	460*	480
wide-eyed	2	1	31	10	0	wince	6	50	42	13	4
widely	29	?	99	?	164	winch	1	7	7	2	9
widen	12	50	74	40	60	Winchester	3	18	5	17	26
widespread	9	18	53	14	92	wind	AA	M	657	M*	935
widow	34	200	181	172*	135	winded	1	?	6	?	10
widower	2	8	22	2	10	windfall	2	7	11	16	3
width	28	235	65	129*	86	windmill	11	115	23	43	18
wield	6	57	14	28	24	window	AA	M	M	M*	513
wife	AA	700	M	700*	842	windowpane	1	1	8	16	0
wig	10	90	23	52	15	windowsill	2	1	5	33	1
wiggle	2	3	14	21	0	windpipe	1	14	3	5	3
wight	3	37*	2	15	8	windshield	2	7	32	1	0
Wight	1	20*	0	1	12	Windsor	6	57	39	12	13
wigwag	1	1	17	0	0	windward	2	12	3	7	19
wigwam	9	115	3	36	11	windy	7	57	24	36	21
Wilbur	8	3	129	0	18	wine	A	420	156	293*	303
Wilcox	1	5	20	0	4	wing (ed)	AA	700	319	700*	360
wild	AA	622	584	622*	571	wink	20	160	94	72	41
wildcat	5	12	45	31	18	winner	10	57	74	14	37

	G	T	L	J	S		G	T	L	J	S
winning	11	50	72	53*	37	Wm.	1	6	5	2	8
Winnipeg	2	6	5	4	22	wobble	1	7	2	12	6
winnow	1	16	1	7	4	woe	26	210	35	117*	106
winsome	1	12	3	5	6	woeful (wo)	4	37	3	14	17
winter	AA	M	610	M*	576	woefully (wo)	2	23	7	7	5
Winthrop	1	6	13	10	6	woke	14	130	91	24	14
wintry	5	57	17	14	16	woid	1	10	6	3	2
wipe	45	245	275	206*	98	wolf	A	360	121	360*	105
wire	A	277	449	341*	298	Wolfe	1	4	7	12	10
wireless	11	57	28	8	107	wolfish	1	7	4	10	0
wiring (n.)	1	3	11	6*	3	wolves	15	90	47	96	40
wiry	5	50	17	14	12	woman	AA	M	M	M*	970
Wis. (Wisc.)	1	2	0	0	16	womanhood	3	16	25	3	15
Wisconsin	16	90	56	40	114	womankind	1	16	8	2	6
wisdom	49	310	139	225*	227	womanly	1	10	16	3	3
wise	AA	700	420	566*	577	womb	3	57	1	1	6
wisely	14	?	63	?	57	women	AA	390	M	?	972
wish	AA	M	M	M*	815	won	A	350	394	391*	430
wisp	4	28	23	10	12	wonder	AA	700	M	700*	635
wist	9	14	1	79	79	wonderful	AA	700	638	700*	338
wistful	7	29	67	20	21	wonderfully	9	?	41	?	40
wistfully	5	21	48	22	12	wonderland	1	4	9	7	10
wistfulness	1	4	10	4	1	wonderment	1	4	8	7	5
wit	A	340	113	303*	355	wondrous	12	118	8	54	39
witch	24	210	44	132*	53	wondrously	1	12	0	7	3
witchcraft	5	57	23	14	7	wont	17	160	83	79	0
witchery	1	10	3	6	8	won't	AA	245	M	245*	?
with	AA	M	M	M	M	woo	12	130	25	27	36
withal	12	90	9	41	78	wood	AA	M	620	M*	M
withdraw	22	140	53	100*	106	woodbine	3	57	4	0	4
withdrawal	3	7	7	5	52	woodchuck	7	12	1	97	20
withdrawn	12	80	31	58	63	woodcock	5	12	1	91	3
withdrew	16	90	47	63	94	woodcraft	1	4	1	8	5
wither	18	160	70	51	55	woodcut	1	4	1	6	8
withheld	6	57	16	11	28	woodcutter	2	14	0	21	4
withhold	6	57	14	10	27	wooded	9	?	25	?	64
within	AA	700	876	700*	M	wooden	46	245	198	210*	175
without	AA	M	M	M	M	woodland	16	115	22	84	71
withstand	9	90	16	29	27	woodman	5	57	6	16	11
withstood	4	50	7	8	14	woodpecker	9	57	6	85	18
witless	1	8	6	6	1	woodpile	1	1	17	12	0
witness	A	260	309	260*	264	woodshed	2	3	25	15	2
Wittenberg (burg)	1	3	14	0	4	woodsman	2	7	3	17	16
witticism	1	8	12	0	3	Woodward	1	5	18	0	9
witty	9	90	32	15	30	woodwork	4	14	49	6	14
wives	33	160	179	160*	95	woody	3	18	3	21	15
wizard	8	90	23	18	21	woof	2	12	5	28	6

	G	T	L	J	S		G	T	L	J	S
wool	A	330	181	235*	193	wow	1	0	20	4	4
woolen (ll)	11	115	51	32	55	wrack	1	12	1	4	4
woolly	2	11	9	2	15	wrangle	4	50	15	10	11
wooly	1	?	10	9	0	wrap	45	225	295	200*	103
Worcester	3	12	5	17	23	wrapper	1	15	0	11	6
Worcestershire	2	2	23	7	6	wrapping (n.)	5	27	35	15*	12
word	AA	M	M	M	M	wrath	21	100	51	115	63
wordless	1	4	15	4	4	wrathful	2	16	5	10	3
Wordsworth	1	6	0	7	16	wrathfully	1	12	1	15	1
wore	A	240	383	264	169	wreak	2	14	4	7	11
work	AA	M	M	M	M	wreath	22	235	20	94*	42
workable	1	6	7	5	13	wreathe	6	57	35	20*	4
worker	A	160	429	163	521	wreck	41	250	189	152*	135
workhouse	1	8	8	3	11	wreckage	3	5	35	7	11
working (adj.)	32	?	109	?	181	wren	10	90	31	65	6
workingman	6	14	11	10	87	wrench	11	90	69	32	10
workman	19	80	37	107	128	wrest	6	57	9	17	25
workmanship	6	57	16	25	24	wrestle	11	57	39	76	43
workmen	13	50	55	47	84	wrestler	2	12	9	19	1
workroom	1	3	12	5	0	wretch	12	130	12	40	50
workshop	7	28	23	52	37	wretched	21	160	86	88	59
world	AA	M	M	M	M	wretchedness	4	50	8	8	9
worldly	8	90	32	13	26	wriggle	7	16	36	59	15
world-wide	3	6	23	2	37	Wright (see Pt. II)	7	0	47	8	86
worm	37	270	61	270*	65	wring	9	90	46	17	26
wormwood	1	12	4	2	2	wringer	1	11	14	1	0
worn	A	260	316	240*	146	wrinkle	20	130	123	73	50
worn-out	3	3	14	14	24	wrist	17	57	170	49	46
worry	A	160	984	94	119	writ	8	115	4	17	14
worse	A	410	450	410*	305	write	AA	M	956	M*	861
worship	A	235	148	241*	349	writer	A	200	288	89	M
worshipful	4	14	9	23	33	writhe	8	28	62	30	36
worshiper	5	57	8	19	18	writing (n. adj.)	39	?	156	?	203
worst	A	280	292	280*	188	written	AA	380	567	380*	520
worsted	1	18	10	5	0	wrong	AA	700	890	700*	401
worth	AA	700	700	653*	606	wrongdoing	1	3	15	4	7
worthless	15	130	75	30	45	wrongful	1	16	5	6	5
worth-while	3	5	45	1	15	wrote	AA	270	615	417*	564
worthy	A	310	153	238*	256	wroth	7	57	4	21	54
wot	13	57	20	57	100	wrought	20	230	36	95	20
would	AA	M	M	M	M	wrung	5	28	31	19	?
would-be	2	3	10	13	10	wry	2	14	15	9	4
wouldn't	AA	115	M	230	10	Württemberg	1	7	0	6	16
wouldst	12	57	15	96	0	Wyatt	2	2	42	6	0
wound	A	390	341	390*	618	Wyoming	8	18	25	13	90
wove	8	90	8	39*	19						
woven	16	115	53	74*	54	Xenophon	1	1	0	4	24

Xerxes to Zurich

	G	T	L	J	S		G	T	L	J	S
Xerxes	2	11	1	7	17	yonder	32	240	28	185*	129
Xmas	1	18	0	0	0	Yonkers	1	4	5	1	10
X-ray	2	5	35	0	8	yore	6	50	35	15	10
yacht	2	14	10	6	16	Yorick	1	1	11	0	8
yah	1	0	12	9	0	York	25	57	273	54	56
Yale	13	12	84	16	134	Yorkshire	4	28	5	5	34
yam	1	4	8	2	4	Yorktown	3	0	3	8	54
Yangtze (tse)	1	2	6	0	16	Yosemite	2	4	1	9	26
yank (Y)	2	2	29	1	12	you	AA	M	M	M	M
Yankee	12	28	70	42	92	you'd	A	90	805	68	68
yap	2	1	1	24	13	you'll	A	130	M	197	164
yard	AA	M	481	?	359	young	AA	M	M	M	M
Yarmouth	1	3	2	1	16	youngster	21	16	200	94	69
yarn	16	90	81	36	91	Youngstown	1	2	1	1	16
yawn	15	115	67	74	30	your	AA	M	M	M	M
yd.	5*	90	0	0	?	you're	AA	115	M	148	182
ye	A	270	358	270*	136	yours	45	160	359	160*	132
yea	20	160	7	126	74	yourself (ves)	AA	430	907	430*	283
year	AA	M	M	M	M	youth	AA	430	480	430*	495
yearling	2	12	8	5	12	youthful	20	130	99	48	86
yearly	11	90	38	24	48	you've	A	57	M	107	72
yearn	10	90	36	24	43	yucca	1	3	1	13	3
yeast	7	57	49	4	22	Yukon	1	7	0	6	6
yell	26	130	178	87	85	zeal	15	160	22	39	60
yellow	AA	700	597	526*	277	Zealand	1	18	0	7	2
yellow fever	1	3	1	5	12	zealot	1	16	1	0	4
yellowish	3	7	8	26	23	zealous	6	77	15	14	19
Yellowstone	6	11	2	58	54	zealously	1	13	2	3	3
yelp	5	50	23	30	4	zebra	2	12	5	23	7
yen	2	1	22	1	25	zenith	4	50	2	6	20
yeoman	11	28	2	85	85	Zeno	1	10	0	6	18
yeomanry	1	10	0	3	16	zephyr	2	28	6	7	7
yep	1	2	15	0	1	zero	11	90	50	16	49
ye're	2	0	33	0	4	zest	4	16	42	15	13
yes	AA	700	M	700*	593	Zeus	5	6	2	77	10
yesterday	A	700	290	416*	132	zigzag	7	57	26	33	12
yet	AA	M	M	M	M	zinc	10	57	9	60	62
yew	5	57	3	21	12	Zion	4	57	7	0	22
yield	A	420	179	420*	461	zodiac	3	50	3	5	4
yielding (adj.)	1	8	7	8*	9	zone	26	230	51	204*	167
Y. M. C. A.	1	7	16	0	2	zoo	2	4	16	16	12
yogi	1	1	18	0	0	zoological	6	57	3	21	30
yoke	13	160	16	38	29	zoologist	1	7	0	1	12
Yokohama	1	6	3	14	8	zoology	1	16	0	4	4
yolk	3	18	29	2	9	Zulu	1	4	1	0	21
yon	22	130	9	70	191	Zurich	2	12	5	2	31

PART II

*List of Words Occurring at Least Once per 4,000,000 Words
But Not So Often as Once per 1,000,000 Words*

PART II

Words occurring less than once per million but more than once per four million are listed on pp. 211 to 242. Each is followed by a number (from 5 to 17) reporting the number of occurrences per eighteen million words. This number is the number per $4\frac{1}{2}$ million estimated from the Thorndike count of approximately ten million words, plus the actual number of occurrences in the Lorge magazine count, the Thorndike count of juvenile books, and the semantic count.* 1,358 words

comprising about 99 per cent of those occurring four times per eighteen million words are listed on pages 242 to 247. These bring the total list to 30,000.

* Except that for certain proper names, words having only one meaning, and words not in the Oxford Dictionary for which the semantic count comprised only $2\frac{1}{4}$ million words, the actual number of occurrences was doubled; and except also that in the case of a very few such words for which records were incomplete, special estimates had to be made.

Part II: abaft to anise

WORDS OCCURRING AT LEAST ONCE PER 400,000

abaft 6, abasement 17, abatis 13, abduct 14, abduct n 11, abeam 6, Abel 16, Abelard 5, aberration 15, abettor 7, abiding adj. 15, abject A 16, abjuration 6, ablative 7, abloom 9, abnegation 7, abnormality 14, abortion 17, above-board 5, abrade 6, abrasion 14, abscond 12, absolutism 8, absolute 9, absolution 16, abstention 7, about 13, abutment 13, abyss 6, academe A 13, Achaia n 13, Achaia thus 12, accentuation 5, acceptability 11, acceptance 13, acceptivity 9, acclimatize 5, accopt 7, accordant 6, accountancy 7, accounting n 14, accouter 14, accretion 10, accumulator 16, acetanilid 5, acetate 10, acetic 15, Achaean 6, Achaia n, Acheron 5, achromatic 5, acidosis 11, aciculate 6, acolyte 6, acoustic 11, acoustics 7, acquaintanceship 5, acquiescent 10, acquirement 15, acquisitive 11, acrimonious 13, acrimony 10, acrotatic 9, acrobatics 4, acrostic 6, Actaeon 12, actinic 5, Actium 14, activate 7, acumen 15, acuteness 16, addle 11, adductor 7, Aden 5, adipose 13, adjuration 7, adjustable 13, adjutant 17, adjutant-general 15, admissible 11, admonitory 5, adoptive 12, Adrianople 8, adroitness 10, adulterer 9, adulteress 7, adulterous 9, adventuress 5, adverb 16, advert 14, advisability 17, advisedly 16, advisement 5, adze 16, aedile 7, Aegina 14, aegis 12, Aegisthus 8, Aeneid 12, Aeolian 5, aeolian harp 5, aeon 10, aerate 10, aerie 11, aeronaut 15, aeronautical 14, aeronautics 13, Aeschylus 14, Aesculapius 15, Aescop 14, aether 9, Aetna 14, afferent 11, affiance 16, afflatus 6, Afghan 15, aforementioned 7, afoul 5, Afric 7, afterdeck 10, aftereffect 5, afterglow 10, afterlife 5, agar-agar 5, agave 7, agglomerate 6, agglomeration 11, aggrandize 7, aggrandizement 15, aggravation 16, Agincourt 13, agitatedly 6, agnostic 7, agog 8, ageing 11, agone 10, Agra 10, agriculturalist 11, agriculturist 16, Agrippa 16, Ahab 9, ahem 12, ahoy 15, aigrette 10, aileron 11, air-conditioned 6, airless 6, airman 15, air-minded 6, airway 17, Aix 6, Ajax 11, akimbo 15, Akron 14, alackaday 5, Alameda 8, Alamo 5, Alaric 6, alarmingly 14, alarmist 10, alarum 15, Alberta 16, albinism 7, albumen 12, albumin 8, albuminous 5, Alcatraz 8, alchemy 17, Alcibiades 17, Alcides 12, alcoholism 12, Alden 16, aldermanic 9, Aldrich 10, alehouse 8, Aleppo 10, Aleutian 5, Alexandrian 13, Alexandrine 11, Alfonso 5, algebraic 5, Alhambra 7, alienist 6, aliment 8, alkalinity 5, all-American (A) 9, Allenby 9, Allentown 7, alleviation 11, all-important 11, Allison 17, alliteration 13, allocate 12, allocation 6, all-over 9, all-round 17, allspice 8, almoner 10, aloha 14, alp 15, alpaca 14, alphabetic 6, Alpheus 9, Alphonso 15, Alsace 16, altimeter 17, Alton 11, alum 13, alumina 11, alumnus 13 (see also *alumni* in Part I), alway 5, alyssum 11, amalgam 14, amalgamation 17, amanuensis 10, amaranth 11, amaranthine 11, amateurish 9, amatory 11, amazedly 8, ambassadorial 7, ambergris 10, ambient 6, Ambrose 14, ambulatory 5, amelioration 14, amiability 16, amir 7, ammoniac 6, ammonite 6, amnesia 5, amoeba 15 (see also *ameba* in Part I), amortization 9, amortize (s) 6, ampere 17, Amphibia 8, Amphitrite 9, amplification 13, amputation 16, Amritsar 17, amuck 11, amulet 13, Amundsen 9, Anabaptist 7, anachronism 13, anaconda (A) 7, Anacreon 9, anaemia 7, anaemic 7, anaesthesia 8, anaesthetist 5, anaesthetize 5 (see also *anemic*, etc.), anal 12, analgesia 8, analyse 15, analyst 13, Ananias 5, anarch 9, anarchical 5, anarchistic 8, anathematize 8, Anatolia 14, anatomize 10, anchoret 6, anchorite 13, Ancona 8, Andros 11, anemia 16, anent 6, anaesthesia 7, angelical 11, Angelus 5, Angevine 16, Angles 8, angleworm 13, Anglo-American 6, Angora 14, angularity 6, animadversion 14, animadvert 6, animalcule 5, animus 7, anise 10,

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boron 8, Bose 10, bosh 10, bosky 12, bo's'n 8, Bosporus 16, bossy 9, bosun 7, botanic 6, botanize 6, botch 9, bothersome 7, Bothwell 10, Botticelli 11, bottle-green 7, bottomland 12, bouncer 7, bounden 9, boulder 8, bovine 6, bowlegged 6, bowshot 9, boxwood 15, boyishness 7, brackish 13, bract 14, brae 13, braggadocio 5, Brake 5, Brahma (b) 11, Brahmarism 6, Brahmaputra 8, Brahmin 8, Brahms 10, Braille (b) 17, brainless 11, brainpan 7, brainy 6, braise 8, Brandywine 5, brassy 11, brawler 9, breadfruit 5, breadstuff 8, breadwinner 10, breakable 5, breakneck 14, bream 7, breather 5, breath-taking 12, Brenner 10, brevet 15, breviary 11, bric-a-brac (à) 9, brickbat 11, brickwork 13, brickyard 9, bridgehead 5, Bridgeport 12, Bridget 17, Bridgewater 11, brigandage 6, brigantine 13, brilliantine 9, brindle 8, brindled 8, briny 8, Brisbane 6, brisket 10, briskness 14, broadloom 12, broad-minded 17, brocaded 11, brogue 17, broider 6, broken-down 16, bromine 8, bronchial 17, broncho (co) 17, brooder 9, brooklet 16, bros. 15, brothel 13, brougham 11, Brougham 10, browbeat 11, Brownsville 6, Bruges 6, bruit 14, Brunn 5, brushy 10, brutalize 8, bubonic 15, Bucharest 11, bucketful 8, buckeye 10, Buckinghamshire 8, Bucknell 10, buckram 13, buckshot 12, bucolic 8, Buddhism 11, Bueil 10, buffoonery 10, bugaboo 10, bugler 9, built-in 13, bulbous 10, bulbul 5, buldoze 5, bullet-proof 5, bullfight 10, bullfinch 14, bullhead 9, bullish 7, Bull Run 13, bull's-eye 12, bumpkin 8, bumpy 9, bung 6, bungler 9, bunion 13, Bunker Hill 17, Bunyan 5, bur 15, bureaucrat 6, bureaucratic 14, burg 8, burial-ground 10, Burleigh 7, Burmese 6, burnoose (ous) 5, Burnside (b) 12, burrower 5, burying-ground 8, bushing 11, Bushman (b) 10, buskin 16, bustard 7, buster 16, butchery 11, butternut 13, butterscotch 8, buttonhook 5, buttonwood 7, buzzer 16, by-path 11, byplay 5, byre 5, Byronic 9, byssus 9, byword 14, Byzantium 16.

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tannic 8, tannin 11, Tantalus (t) 17, tantamount 9, tapeworm 17, tapir 5, taproom 9, tapster 6, Tara 6, tarantula 17, Tarbell 7, Tarkington 8, taro 7, Tarquin 17, tarragon 10, Tarshish 6, tarsus (T) 8, tartaric 9, Tartarus 17, Tartary 14, tartrate 7, Tasso 8, tasteful (ly) 12, tastiness 7, tat 7, Tatar 8, tattle 10, tattle-tale 5, tauntingly 14, Taunton 7, taupe 5, taw 6, taxable 12, taxi-man 11, teachable 9, teahouse 9, teal 6, teammate 7, teaparty 5, tearless 14, tearoom 8, technocrat 9, technological 16, teeny 5, teetotaler (taller) 8, tel (.) 9, telegrapher 5, telegraphy 12, Telemachus 8, telepathy 9, telephonic 8, Templar 8, temptress 6, tenable 13, tenancy 14, tenant 10, tenantless 10, tenantry 14, tendance 15, tenderfoot 13, tender-hearted 14, Tenerife (iFe) 6, Tenn. 8, tenon 9, tensile 14, tentacular 6, tentaculocyst 7, tenuity 14, tenuous 10, tepee 13, Terence 15, Teresa 7, tergiversation 5, termagant 8, tern 6, terrain 6, Terra Nova 15, terrapin 6, terrorism 17, terrorist 5, terror-stricken 11, tertian 7, Tertullian 12, tessellate 5, testamentary 6, testator 10, tetanus 15, tête-à-tête 15, Thales 14, thallus 5, thegn 12, theism 7, theist 5, Theobald 12, theogony 7, Theophrastus 9, theoretic 6, theorize 12, therapy 5, whereas 10, thermoelectric 5, thermos 12, thermostat 10, thesaurus 6, Thespian 5, Thessalian 17, thews 13, thick-set 17, thievery 6, thievish 17, thimbleful 5, thinness 11, third-class 12, third-rate 6, thoracic 9, thorp 8, thoughtlessness 14, thousandfold 17, thralldom (ll) 9, threadlike 8, three-cent 13, three-day 10, three-legged 13, threepence 7, thrid 7, thriftless 15, thriller 7, throstle 15, throve 15, thug 12, thumbnail 16, thumbscrew 16, thunderclap 8, thundershower 7, thunderstruck 11, Thuringia 5, thymus 11, thyroid 14, thyrsus 6, Tibet 12, Tibetan 11, tibia 11, tick-tock 7, tidewater 12, Tientsin 17, tie-up 6, tiffin 13, Tiflis 5, tigerish 5, tight-lipped 7, tightrope 12, tights 5, tightwad 5, tilbury 9, Tilden 15, tilth 6, tilyard 10, Tim. 8, timbering (n.) 9, timberland 8, timbre 14, timbrel 15, time-honored 17, timekeeper 12, timeless 10, timelessly 13, timetable 14, time-worn 5, tinct 8, tinderbox 14, tinny 5, tinsmith 6, tintinnabulation 5, tintype 5, Tippecanoe 9, tippet 8, tiptop 15, Titania 6, tithingman 6, Tithonus 6, title-page 15, tittle 16, tittle-tattle 5, Tivoli 17, toady 8, tobaconist 6, Tobias 6, Tobit 7, tocsin 17, toddler 12, toddy 13, to-do 9, toffee (fy) 5, tog 14, toggle 5, toilette 6, toiled 7, Tokay 14, tollgate 7, Tolstoy 12, Toltec 8, toluene 5, toluid 6, tomboy 14, tomcat 16, tomfoolery 8, tomtit 6, tong 5, tongueless 5, tongue-tied 13, tonneau 14, tonsillitis 9, tonsure 8, toothless (ly) 17, toothsome 15, topcoat 17, toper 6, top-heavy 11, topical 10, topknot 6, top-notch 6, topographer 5, topographic 10, topping (adj.) 6, topsoil 11, Topsy 6, toque 5, torch-bearer 7, torchwood 6, torpidity 7, torpor 14, torque 9, torsion 7, tort 13, tortoise-shell 13, torturer 6, torturous 6, Toryism 5, Toscanelli 9, tost 7, totality 11, tote 12, totem 16, totemism 13, tother 7, touchdown 16, touchstone 15, toughen 17, toughness 16, Toulouse 15, Tours 15, toweling (elling) 12, towheaded 5, town meeting 11, townsfolk 12, toxic 15, trace 15, tracer 10, trachea 16, trachoma 5, tracing 14, tractate 7, tradespeople 7, trades-union 6, trade-wind 17, trading-post 5, traditional 10, traduce 9, trafficker 7, tragical 9, trainman 15, traitress 10, trajectory 6, tra-la 6, trammel 16, tranquilize 9, transcendental 7, transcription 9, transept 10, transfiguration (T) 15, transfuse 15, tranship 6, transitional 12, transmigration 11, transmissible 5, transmutation 15, transoceanic 9, transom 14, transpacific 8, transplantation 7, transposition 7, transubstantiation 10, Transvaal 17, trapeze 14, trap-ezoid 5, trashy 5, travertine 9, trawl 17, trawler 6, treacle 6, treadle 11, treadmill 7, treasonous 8, Trebizond 5, tree-frog 5, trefoil 5, trelliswork 9, tremolo 7,

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trenchman 5, trephine 8, triad 15, triangulation 11, tribunate 6, trickster 9, tricot 7, triennial 7, trier 8, trifer 13, trig 5, trigonometrical 9, trigonometry 5, trillion 9, trilogy 9, trimmer 12, tripartite 7, triphammer 5, triplicate 5, Tripolitani 13, triptych 5, trireme 5, triumph 12, triumphate 12, Trolope 10, trumbone 17, troopship 5, trope 12, Trotsky 14, trotter 5, trounce 8, trouper 15, Tropes 6, Truckee 10, truckle 9, truckle bed 6, true-hearted 9, truffle 11, trumpet 14, truncate 13, trunnion 9, truthfulness 15, trypsin 6, tsetse 6, tuba 17, tubal 8, tubercular 15, tuberculin 6, tuberosity 7, tuberous 5, Tues. 8, tufa 5, tugboat 9, tulle 16, Tully 10, Tulsa 15, tumbrel (brill) 5, tumid 5, tumultuary 10, tun 10, tuna 13, tundra 10, tuneless 8, tuningfork 17, tuppence 6, turbaned 10, turbo 9, tureen 15, turgid 14, Turgot 13, turncoat 6, turnout 12, turnspit 6, turnstile 12, turntable 10, turpitude 16, turtle-dove 6, tusker 10, tussock 11, Tutanikhamen 12, tutelary 11, tutelary 12, tuxedo 16, tuyère 6, twaddle 9, tweak 15, twice-told 7, Twickenham 12, twiddle 9, twister 7, twit 17, two-day 7, two-edged 5, two-handed 5, two-piece 11, twosome 5, tycoon 6, tympanic 7, tympanum 13, Tyndall 11, Tyne 14, typewrite 7, typhoon 13, typographical 9, tyrannic 9, tyrannize 14, tyro 13, Tyrol 11, Tyrone 12.

Uffizi 9, Uganda 6, Ukrainian 15, uina 6, ultramarine 6, ultramontane 6, ultramundane 5, umber 10, umbrage 15, umbrageous 13, umbriel 6, un 16, unabashed 11, unabridged 10, unacceptable 13, unaccompanied 7, unaccounted 5, unadorned 10, unadvised 12, unalarmed 8, unalloyed 8, unambitious 9, unanswered 17, unappreciative 6, unarm 16 (see also unarmed), unasked 11, unassailable 11, unassisted 13, unattached 12, unavailable 15, unbaked 9, unbalance 10 (see also unbalanced; unbar 14, unbeaten 14, unbend 12, unbending 15, unbent 6, unblamed 8, unbleached 17, unblest 13, unblinking 8, unblushing 9, unbosom 8, unbounded 9, unbreakable 12, unbuckle 17, unburden 11, unburied 11, uncalled-for 14, uncared-for 8, unceremonious 6, unceremoniously 17, unchain 17, unchallenged 9, uncharitable 5, uncharitableness 6, uncharted 7, unchaste 5, unchristian 17, uncircumcised 12, uncivil 16, uncivilized 10, unclaimed 11, uncleanness 15, unclear 6, unclench 5, unclose 10, unclothe (d) 7, uncoil 12, uncomplimentary 10, unconcernedly 15, unconditionally 15, unconnected 17, unconventional 11, uncork 9, uncorrupted 12, uncounted 11, uncouple 8, uncourteous 14, uncouthness 6, uncreated 12, uncrowned 9, uncultured 6, uncured 6, und 16, undamaged 7, undeceive 16, undefeated 7, undefended 8, undefined 16, undemocratic 8, underclothing 10, undercover 5, undercut 6, under-dog 7, underfeed (fed) 12, underhand 8, underhanded 5, underlay 8, underlie 11, underlip 9, undernourishment 10, underpay (paid) 9, underprivileged 8, under-rate 17, underscore 7, undershirt 16, undersign (ed) 5, undersized 11, understandable 17, understatement 8, understudy 13, undertow 6, undervalue 12, underwaist 8, underwater 11, underweight 14, underwrite 15, undevout 6, undisciplined 17, undisguised 17, undismayed 17, undissolved 7, undistinguishable 11, undistinguished 13, undrawn 6, undulatory 5, uneatable 8, uneaten 7, uneconomic 6, unembarrassed 8, unemotional 9, unenforceable 5, unenlightened 6, unenvied 9, unessential 7, unevenness 6, unexceptionable 7, unexperienced 10, unexpired 6, unexpressed 6, unextinguished 12, unfaded 8, unfairness 16, unfaithfulness 10, unfaltering 10, unfathomed 12, unfelt 12, unfenced 9, unfit 14, unfixed 6, unforced 9, unforgivable 9, unformed 12, unfrequented 14, unfulfilled 13, unglazed 6, ungoverned 7, ungraceful 9, unguent 11, ungulate 6, unhindered 16, unhand 8, unharness 7, unhatched 13, unhealthy 17, unhinge 6, unhitch 11, unhonored 10, unhook 13, un-

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horse 16, unhurried 13, unicellular 6, unicorn 12, unidentified 6, unimaginable 17, unimaginative 11, unimpaired 15, unimpeachable 14, unimportance 7, unimproved 6, uninformed 8, uninhabitable 7, uninitiated 13, uninspired 9, uninstructed 9, unintelligent 9, unintentional 10, unionism 10, unionize 8, universality 17, unknot 5, unlamented 8, unmatch 10, unlearn 5 see also unlearned, unleash 8, unleavened 8, unlit 7, unloved 11, unman 14, unmannerly 14, unmarked 7, unmatchable 7, unmatched 7, unmeaning 12, unmeet 13, unmirigated 10, unmovable 7, unmusical 6, unobstructed 9, unoffending 9, unorthodox 10, unpalatable 8, unpardonable 10, unpaved 6, unpeopled 16, unperplexed 8, unperturbed 7, unplanned 7, unpleased 12, unpolished 8, unpoluted 6, unpopularity 15, unpracticed (s) 17, unpredictable 6, unprejudiced 13, unpretending 9, unpretentious 15, unpromising 16, unpronounceable 5, unprovided 10, unprovoked 11, unpruned 7, unpublished 17, unquestioning 9, unread 7, unready 5, unreason 10, unreasoning 16, unrecognizable 13, unrecognized 15, unrecorded 7, unregarded 12, unregenerate 9, unrelated 16, unrelieved 6, unremembered 13, unproved 5, unrequited 8, unreserved 5, unresisting 8, unrestricted 17, unriddle 7, unrighteousness 10, unsaddle 5, unsaid 8, unsalable 7, unsanitary 11, unsay 10, unschooled 9, unscientific 11, unscrew 14, unseal 8, unsearchable 6, unseasoned 6, unseat 11, unseeing 17, unsegmented 6, unshaded 9, unshakeable 10, unshaven 12, unshed 9, unshod 8, unshorn 7, unsigned 11, unsmiling 12, unsociable 12, unsold 11, unsoundness 8, unsparing 15, unspotted 15, unstrap 5, unstrung 13, unsubdued 10, unsubstantial 15, unsung 10, unsure 6, unsweetened 14, unswept 9, unswerving 9, unsympathetic 17, untainted 14, untaken 5, untamable 7, untangle 5, untarnished 7, untasted 11, untenable 8, untenanted 8, unthankful 5, unthought-of 11, untrimmed 12, untrodden 6, untruth 13, untruthful 10, untuned 8, unturned 12, untwine 6, untwist 6, unvarnished 5, unverified 6, unvexed 12, unvisited 7, unwanted 11, unwarrantable 8, unwavering 16, unweary 15, unwed 6, unwell 8, unwept 14, unwind 15, unwitting 7 (see also unwittingly), unworkable 6, unworldly 8, unwound 14, unwounded 7, unyoke 5, upborne 6, upbringing 7, upcountry 8, upgrowth 5, upheave 16, upholder 13, upholsterer 12, uplifter 6, uprear 14, uprisen 5, upslon 11, upstage 9, upstanding 14, upstate 7, Ur 7, Urban 12, urbane 12, urbanity 9, urea 14, urethra 5, uric 12, urinal 5, urinary 7, Ursula 10, U-shaped 5, usurer 15, usurious 5, Ute 13, uterine 5, uterus 8, utilitarianism 9, Uz 5.

Vaal 14, vacationist 11, vaccinate 17, vaccine 17, vacillation 11, vacuity 16, vacuole 6, vacuous 8, vagina 5, vagrancy 8, vainglorious 12, vainglory 15, Val 11, valedictory 9, valence 7, Valencia 17, Valenciennes 7, valency 6, valerian 7, Valkyrie 17, valorous 16, valour 17, valueless 16, vandalism 7, vapid 13, vaporization 5, vaporize 17, vaporous 12, vapory 10, vaquero 6, variability 10, varicolored 9, variegate 5, varmint 17, vas 7, vaseline 15, Vashti 7, vassalage 15, vasty 9, vedette 5, veery 11, vegetarianism 8, vegetate 11, vegetative 8, vehicular 9, veined (adj.) 7, veining 9, Velásquez 6, veld (veldt) 8, velocipede 14, velours (lour) 15, venality 10, vend 10, venereal 10, venery 5, Venetia 14, venial 15, ventriloquist 9, veracious 9, verbatim 11, verbena 15, verbiage 8, verbose 9, verbosity 8, Verdi 7, Verdun 11, verdurous 7, verger 10, veriest 5, verification 11, verisimilitude 9, vermeil 7, vermicelli 5, vermiform 13, verminous 7, Vermonter 5, vermouth 10, vernier 7, versification 12, versifier 5, versify 5, vertebral 7, vertex 16, vertigo 14, vesicle 8, Vespa 9, Vespasian 11, Vespucci 10, Vesta 15, vestee 7, vestibular 5,

Part II: vestigial to wine-press

vestigial 8, vestryman 8, vet 15, vetch 10. veterinarian 8, victimum 5. Vic 15. vicarage 6, vicarious (ly) 16, vice-admiral 5, vicegerent 11, vice-president 7, vice-royalty 6, vici 5, viciousness 17, vicomte 7, victimize 13, victrola 13. Victoria 5. vicuña 6, vide 8, vigilante 5, vingette 12, vinayet 6, vilest 6. vili 11. vin 5. Vinci 14, vinous 7, vintner 7, violator 13, violoncello 10, violin 10, violet 5, virility 9, virtuoso 10, virus 14, vis 8, visa 12, visera 15, viscid 7, viscosity 15, viscountess 6, viscous 12, Vishnu 10, Visigoth 7, vitalize 16, vital 7, vitreous 13, Vittoria 12, vituperative 5, viva 13, vividness 15, vivify 14, viviparus 8, vivien 13, vizard 11, vizir 15, Vladivostok 16, vocalist 5, vociferate 6, vociferation 6, vodka 6, voidable 5, vol 14, volatility 6, volatilize 5, vole 5, volplane 11. Vols 8, voltaige 16, voltaic 5, voltmeter 5, volubility 15, voluptuary 7, voluptuousness 11, voracity 7, vortex 16, vorticella 10, Vosges 9, votaress 9, votarist 5, voucher 7, vox 5, voyageur 10, vrouw 10, v-shaped 12, vulcanize 6, vulcanizer 6, vulgarian 5, vulgarize 8, Vulgate 7, vying 15.

wabble 15, wabbly 9, wade 7, Wadsworth 14, wageworker 5, waggish 11, waggle 7, wagonload 12, wagtail 8, waistband 14, Wakefield 10, Walden 12, Waldorf 16, Wallachia 5, wallboard 5, Wallenstein 13, Waller 7, wallflower 15, Wallcon 6, wallpaper 6, wangle 11, wannish 6, war-cry 11, wardroom 8, wardship 8, wariness 13, warm-hearted 15, war-paint 6, war-party 11, warpath 11, warranty 5, warren 11, war-song 5, Warwickshire 9, Wash. 10, washbasin 6, washboard 17, washbowl 6, washcloth 10, washed-out 6, washout 8, washroom 9, washstand 16, washtub 14, waspish 5, wassail 13, wastage 17, wastefulness 7, watchmaker 6, waterbottle 7, Waterbury 7, waterclock 14, waterglass 6, watering-place 15, water-line 8, waterlogged 15, water-mill 6, waterpower 8, water-rat 10, waterside 11, waterspout 13, watertight 13, waterwheel 13, Watteau 7, wattle 14, wattled 13, Watts 11, wavelength 12, wavelet 14, Waverley 12, waxwork 5, waxy 9, wayfaring 8, waylaid 12, waywardness 7, wayworn 5, weak-minded 5, weatherboard 5, weathering (n.) 12, weather-vane 8, webbed 10, webbing 8, Wedgwood 16, weeder 5, weekday 14, weeper 5, Weimar 13, welch 9, welkin 17, welladay 5, well-appointed 8, well-beaten 11, well-behaved 9, wellborn 5, wellbuilt 12, well-developed 11, well-disposed 5, well-established 16, well-fed 9, well-founded 11, well-groomed 16, well-informed 15, well-intentioned 14, well-kept 11, well-made 8, well-mannered 7, well-meaning 13, well-meant 6, well-off 7, well-regulated 11, well-rounded 13, well-shaped 6, well-spring 7, well-stocked 5, well-timed 7, well-water 10, well-worn 9, wen 9, Wentworth 5, werewolf 6, Wesleyan 11, Wessex 10, Westinghouse 5, Westmoreland 6, Westphalia 16, Westport 16, wetness 13, Weymouth 5, whacking 6, whaleboat 5, wheaten 9, Wheeler (w) 9, wheelwright 14, whelm 14, whensoever 9, whereabouts 7, where'd 15, whereto 16, whiffletree 5, whiles 7, whilom 6, whimsy (ey) 12, whin-ingly 11, whipcord 6, whiplash 7, whipper-snapper 7, whippet 12, whippetree 5, whirligig 17, whitebait 5, whitecap 14, white-collar 8, whitefish 9, white-hot 11, White Plains 8, whitewood 7, Whitsunday 7, Whitsuntide 14, Whittier 16, whoa 15, wholehearted 12, wholesomeness 8, whomsoever 12, whooping-cough 7, whopper 6, whortleberry 5, Wickliffe (clif) 6, widgeon 5, widowhood 14, wielder 8, wifehood 10, wifely 11, wiggled 6, Wilberforce 6, wilder 7, wild-eyed 16, wildfowl 13, Wiley 15, Wilhelmina 7, willfulness (l) 12, will-o'-the-wisp 13, willowy 11, wimble 11, wimple 6, wind-blown 5, windbreak 11, Windermere 9, windflower 12, winding-sheet 8, windlass 17, windless 8, windowseat 8, wind-up 5, wine-colored 10, wineglass 10, wine-

Part II: Winfield to bewray

press 9, Winfield 10, wingless 13, wrinkle 13. Winnebago 14, Winnepesaukee 6, Winston-Salem 12, wintergreen 6, winter-quarter 11, wintertime 11, wiper 8, wis 5, wiseacre 14, wisecrack 17, wishful 5, wistaria 16, witch-hazel 10, witching 12, withe 12, withers 16, withy 5, wizardry 7, wizened 15, wk. 14, woad 6, wobbly 6, Woden 9, woful 9, wolfhound 10, Wolsey 10, wolverine (ene) 14, womenfolk 10, wonted 15, woodmouse 9, Woodstock 12, woodsy 7, wooer 17, woolgathering 7, Woolsey 5, Woolworth 11, wording 16, wordy 12, workaday 9, workbench 5, workday 9, workmanlike 7, workout 7, workpeople 5, worktable 5, worldliness 8, worldling 7, world war 16, worm-eaten 5, Worms 8, wormy 6, worthiness 17, worthlessness 9, wraith 15, Wrangell 5, wrangler 17, wrapt 6, wrecker 9, Wren 8, wriggler 5, wright 13, wristlet 5, wrongdoer 10, wrong-headed 7, wrought-iron 14, Wyandotte 10, Wycliffe 15, Wyman 14.

Xavier 9, Xenophanes 11, xylophone 6.

yachting 15, Yahweh 8, yardarm 7, yardstick 8, yarrow (Y) 8, yaw 16, yawl 11, yawp 5, ycleped (yclept) 6, yearbook 13, yearning 14, year-old 15, Yeats 12, Yeddo (yedo) 12, yellow-jacket 5, Yemen 10, yestereve 7, yesternight 14, yesteryear 12, Yggdrasil 7, Yiddish 7, yodel 9, yokefellow 9, Yom Kippur 5, yond 8, youngish 12, youngling 9, younker 8, yowl 16, Ypres 8, yr. 16, Yucatan 10, Yule 5.

Zachary 8, Zambesi 15, Zangwill 6, zany 11, Zanzibar 11, Zebedee 7, Zechariah 9, zenana 5, Zend 10, zeppelin 13, zeta 7, zinnia 12, Zionist 9, zip 8, zircon 7, zodiacal 9, Zola 5, zoned (adj.) 6, zoom 13, Zorn 5, Zoroaster 7, Zuider (uy) Zee 12, Zululand 13.

WORDS OCCURRING FOUR TIMES PER 18,000,000

Aachen, abrasive, abrogation, accidence, acclivity, accompanist, adagio, adequacy, adjudicate, adjudication, adorably, aesthete, affluter, agaric, agleam, Ainu, airdrome, air-mail, Alabaman, alembic, alliterative, Alsatian, alumnae, alveolus, amaryllis, amateurism, Amazonian, ambadress, ambidextrous, amerce, Amherst, amice, Amiens, amino-acid, amoeboid, amphora, amylopsin, ancestress, anciently, ancillary, anemic, aneroid, aneurism (ysm), Angevin, angiosperm, animalism, animism, anklet, Ann Arbor, ans., anthracene, anthropomorphic, anticyclone, antilogarithm, apiary, apogee, apologia, apologue, apostolical, apothegm, appointive, appraiser, Apulia, aquamarine, aquatint, arachnid, Aramaic, arbitral, arithmetician, arsenious, artillerist, asafetida (oe), asperse, asphyxiate, aspirator, assailable, assemblyman, asseverate, Astarte, asterisk, astigmatism, atavistic, atelier, Athanasius, atingle, audibility, authoritarian, avoidable.

baccalaureate, bachelorhood, backache, backbite, backdoor, bacterium, bagatelle, bragging (n.), ballista, ballade, bandeau, bandoleer (ier), banderman, barbed-wire, Barbizon, barefaced, barmaid, baronage, barrel-organ, basaltic, baseman, Bashan, Basle, basso, bastardy, bawd, bayberry, beamingly, beamy, beatification, Bechuanaland, bedaub, bedbug, bedim, beefy, beekeeper, beforetime, behind-hand, Belfort, Belshazzar, benedicite (B), benzoin, besprent, Bethany, bewray.

Part II: bigamous to futurist

bigamous, Bilbao, bisulphide, Bizet, black-letter, black-list, blazonry, blocky, bluebonnet, bluegrass, biurb, bogle, bombastic, bombazene, boodle, bootee, boutonnière, bowie, brainsick, Brandeis, brassie, braw, b'ier, triery, Brit., Brockton, bronchus, Brundisium, bucksaw, Bulgar, buncombe, Band, bunghole, burglarious, butterfat, by-road.

calash, calibrate, calif, calliopsis, calisthenic, calumniator, calx, camelopard, canalize, canard, canebrake, cannel, canoeist, canony, capillarity, captaincy, capucine, caret, caricaturist, carking, carnelian, carousel, casemate, cashew, Casper, castrate, cataclysmic, catafalque, cataleptic, catamount, Catullus, cave-man, ceil, cellarage, chaplaincy, charactery, char'l'y, charwoman, chemic, chevron, chic, chicane, chiton, cholesterol, Christlike, churlishness, ciliary, cinquefoil, circumambient, circumscription, cithara, citrous, clawlike, cliché, cicture, club-man, clubroom, Clydesdale, cm., Cnossus, coalescence, Cobden, Coblenz, cock-horse, codification, cognomen, coheir, cohere, coincidental, Colchester, colloidal, collusive, Columba, Comintern, committal, compendious, compulsive, concavity, conciseness, concubinage, confabulate, congeniality, congresswoman, congruence, conscience-stricken, constrictor, conveyancer, cool-headed, copartnership, Cordova, coriander, corm, countrified, coverlid, cowbell, credo, creese, crick, criminate, criminology, crispness, Crockett, Crookes, crossbowman, crosslet, crossways, crumpet, cryptogram, cultivable, culverin, cuprous, Curacao (c), curricule, cyclamen, cyme, Cyrenaica.

Daghestan, Damascene (d), Dardanelles, Darmstadt, darnel, daystar, debauchee, deceitfulness, decimeter (re), decode, decor, decrement, deep-laid, deep-set, Delagoa, Delian, deliquescent, demonstrably, dentine, depiction, depilatory, determinable, detonate, diabetic, diagnostician, diatonic, dicotyledonous, Diderot, digestibility, digitalis, dilettante, diluvial, Diptera (d), disallowance, disarrangement, discrete, disembarkation, disingenuous, disjunction, dispeople, disposable, disproof, disproportional, distension (t), distillate, distrain, disulphide, dizen, dolce, dom., dominie, Dominique, dragnet, drest, dribblet, drugget, drumlin, Dubuque, ductility, dumdum, duodecimo, dyestuff.

earthiness, echelon, echidna, éclair, Edda, effluence, eftsoon (s), gad, ego-tistic, electro-chemical, ellipsoid, Elyria, emancipator, embalmment, embolism, embroiderer, embroilment, empiricism, emulsification, encyclopedist, endothelial, enfilade, entablature, enteric, entombment, entrancingly, environmental, epistemology, epithalamium, equerry, equine, escallop, escritoire, Esdras, Euphorbia, Euxine, Evansville, eventuate, exacerbate, excoriate, exegesis, exhumation, expiry, explication, exploratory, extravaganza, extrude.

fa, factorize, faience, fanwise, farrow, fascos, Fatima, faugh, faultfinding, featherweight, featureless, fecund, federative, felicitation, felly, fettle, fibber, fibular, fid, Fiji, finial, finis, finny, firebrick, firedamp, firman, fistula, flag-ellation, flageolet, flagman, flare-up, flatworm, fleshless, fleshpot, floodlight, fluoride, fluxion, flyaway, fol., folderol, footgear, forehanded, formalin, formic, foster-sister, friary, frightfulness, frigidity, fructification, fundamentalist, furthermost, fusty, futurist.

Part II: gaby to mythologist

gaby, gastronomy, Gaza, gecko, get-together, gherkin, ghoulish, gilt-edged, glaive, goatherd, Golgotha, goodish, goody-goody, gorget, Gotham, Gothenburg, Gounod, gr., grandaunt, grandiloquence, grandiloquent, grantor, gravitational, grayhound, Grenoble, grimaldin, Grote, guiltiness.

habergeon, hake, Halicarnassus, hallmark, halogen, hamstring, handhold, handicraftsman, hand's-breadth, Hanoverian, happy-go-lucky, hardhanded, harmlessness, harridan, harrier, hayseed, headforemost, headwaiter, heathendom, heathy, Heine, helicopter, Hellene, heptarchy, herbarium, hereinbefore, heritable, Hermione, hiccough, higgledy-piggledy, Hindustani, tipped, histology, Hitlerism, hogback, homework, homologous, Honduran, hooch, hormone, Horus, hoyden, Humbert, humidior, hurry-scurry (k), hydrocyanic, hydroscopic, hydroxyl, Hymettus, hyperbola, hypnotist.

iceman, Ignatius, illegible, ill-mannered, imago, imbricate, immolation, impermanent, impersonator, impressible, inaccessibility, inboard, incise, incommensurable, incompatibility, inconvertible, inequitable, inevitableness, inexpressive, infanticide, infelicity, inflexibility, ingrowth, innovate, inquietude, instantar, intaglio, intellectualism, intensification, interact, intercalate, intercellular, interlocutory, internecine, interment, interpellation, interrogator, interspace, interstitial, inutility, involucre, involution, inweave, iodide, iodoform, ionize, I.O.U., Ipswich, Iranian, ironstone, ironwood, irrefutable, Ishmaelite, isobar, isometric, isosceles, isotherm, isthmian, itinerancy, ivied.

jejune, Jer., jodhpurs, Joule, jugglery, juxtapose.

Kennebec, Kerry, kickoff, Kiel, kingfish, Kiwanian, knee-high, Kreisler.

Laborite, Lacedaemon, Laconian, lactose, La Fontaine, lambaste, lamination, Lanark, landgrave, Langley, largo, laudation, lazaretto, lecherous, legibility, letter-perfect, Lettish, leveret, levulose, lexicography, Libra, lieutenant-colonel, lifeguard, Liguria, lingual, literati, loach, loamy, locale, locution, loess, loganberry, logbook, longbow, loutish, Loyola, Lucretia, lugworm.

macaw, machete, madding, made-up, maenad, magnific, Magnificat, magnifier, Magus, maidenhair, mainsheet, majestic, malleability, maltreatment, mammary, Manes, manioc, manrope, mantelet, margent, marish, marjoram, marmoreal, marmoset, marrowbone, Martel, martinet, Marylander, matador, matchmaker, materialization, Mayence, Mazarin, meadowsweet, meadowy, measly, Melanesia, Melanesian, melodeon, Mendelian, mensuration, Meriden, metalliferous, metamorphic, metempsychosis, methane, methodic, Methodism, midden, mid-heaven, Midi, midshipmite, midweek, militarization, milker, Millay, millionth, miniver, mintage, minuend, minuteman, mir, miserly, mishear, mispronounce, misread, misstate, Mnemosyne, mo., modal, Moldavian, mollycoddle, Monaco, monad, monasticism, monkeyshine, monkshood, monochrome, monody, monosyllabic, monotheist, moonrise, morbidity, mouldboard, M.P., mucker, multifarious, multi-graph, multilateral, mummify, Muscovy, mustang, muzhik (jik), mythic, mythologist.

Part II: nabob to sheet-anchor

nabob, Naboth, Nahum, naphthalene (in), natron. Neander, neurosis, needlessness, negotiator, nepenthe, nescience, neuralgia, neurasthenia, neurasthenic, New Britain, newel, newsprint, newsstand, newsy, N.H., nit, nitration, nitroglycerin (e), nix, nizam, noodle, noddy, noggin, nonage, non-intervention, non-metallic, nonpayment, nosy (ey), Novgorod, nucleate, numerator, numskull, Nyanza.

objurgation, oblate, observational, obviousness, occupier, Oceania, octroi, Ode, offensiveness, offscouring, Onondaga, onshore, onus, openhanded, opportunism, opposable, orangeade, orbicular, ornery, orthographical, oryx, oscillator, Ossining, Otranto, outbalance, outbid, outboard, outbrave, outland, outmaneuver, cut-moded, out-of-date, outpour, ovarian, overladen, overplay, oversea, overweight, oxalis, Oxon.

packsaddle, Paisley, paleontologist, paleontology, palliation, panegyrist, pantheism, papillary, paradigm, parentheses, parenthetical, Parian, parliamentarian, parturition, passbook, passementerie, paterfamilias, pathogenic, patristic, peascod, peephole, pelagic, pentameter, pentathlon, peppery, perambulation, Percheron, peregrine, peristalsis, peristaltic, peritoneal, permutation, persiflage, petrification, pfennig, phagocyte, pharisaical, pharmaceutical, Ph.D., phenol, phew, Philomela, philter (re), phonographic, pianissimo, Pickett, Pictish, pietism, pietistic, piffle, pince-nez, pinchbeck, pinhead, pipette, pipkin, pismire, pivotal, plicable, plagiarist, plagiarize, Plata, Platonism, plectrum, plenary, pluvial, polarity, polarizer, polemical, Pollux, polyclinic, pomade, pornography, Port-au-Prince, posset, potbellied, pothook, poulterer, powerhouse, pow wow, practicality, praefect, praetorship, prater (P), preceptress, preconcert, prefrontal, prelacy, preterit (ite), preventative, priestcraft, Priestley, priggish, principedom, probationary, procreant, prognosticator, promiscuity, pronghorn, pronunciamiento, proofread, proportionable, protectress, provost-marshal, proximate, proximally, psychologic, pyalin, pudding (n.), puerility, pugnacity, pulmotor, pury, purview, pussyfoot, pustule, pyriform.

quarter-section, quatrain, quean, quickset, quillet, quinsy, Quirinal, quitrent, rabbinical, radii, radiogram, radiography, radiotelephone, radiotelephony, rapid-fire, Rappahannock, rase, Rasputin, rate-payer, rationality, razz, rd., receptivity, reciprocation, recuperative, recurve, redaction, reduplicate, refrangible, relique, renaissance, renegade, rennet, rennin, renouncement, repetitious, reprehension, resale, residuary, resiliency, resonator, retriever, revers, rhodium, rhymester, ricer, ripsaw, ritualistic, rivage, robustness, Romanov (ff), rondeau, rope dancer, Rosicrucian, Rothschild, roué, roughish, roundworm, roustabout, Rubaiyat, rubdown, ruction, runic, runlet, rushlight, rusticate.

sacque, sacrosanct, sacrosanctity, sadiron, sadism, Saint Gaudens, salacious, Salerno, saleslady, Salonica (ka), salubrity, Samian, Sanhedrim (n), Santos, Sàtne, saponification, saprophyte, saprophytic, Saragossa, savoir-faire, scalawag, scatheless schematic, sclerotic, scoria, Scotus, scribe, scrupulosity, sea-borne, sealegs, séance, sec., secretiveness, secularization, segmental, self-contradiction, self-denying, self-knowledge, Selkirk, semiarid, semifinal, semilunar, semiprecious, sempiternal, sempstress, sensualist, sequester, serous, set-to, shallot, shaveling, sheet-anchor,

Part II: Shem to Zoroastrian

Shem, shillelagh (lah), shirker, shopworn, shoreless, shoveler (ll), showcase, sibylline, sideswipe, sideway, Sidonian, signor, silver-gilt, Simphon, single-hearted, skee, skitter, slapstick, slatternly, sleeved, Slovene, smartweed, smoothbore, sneaky, snitch, snowbank, snugness, sober-minded, sobriquet, soccer, soft-spoken, soldierlike, solstitial, solubility, soma, Somali, somnoience, Soo, sophistical, soutache, southmost, southwesterly, sou'wester, sovietism, spanker, specular, speculum, spellbinder, spheroidal, spicebush, spiracle, spiritism, spirometer, spittle, spoof, spotter, spunky, S.S., Stanton, States-General, statical, St. Augustine, steamfitter, steam-roller, steelyard, Steinmetz, stept, Sterne, St. Helena, stickle, still-hunt, stimulator (er), stimuli, stockdove, stockjobber, stockman, stolon, stopwatch, straggly, strangler, stratus, stridulate, stringpiece, St. Thomas, stumpy, styptic, sublunar, subserviency, substantiation, subtility, sucrose, suffragette, suffragist, sultanate, summoner, Sunderland, sundew, sundries, superincumbent, superscribe, suppository, suppuration, Surinam, surtout, Swabia, swage, Swedenborg, syenite, synchronism, synchronous, syndic, synthesize, systematical, systemic.

tabard, ta'en, tameless, tanbark, tangibility, tangy, tankage, tantalus, tarsal, Tashkent, tatterdemalion, taxonomy, telepathic, telephony, telephoto, telephoto-graph, tellurium, tempera, temporality, tenderloin, tendinous, Tennessean, tenpenny, ten-point, tensity, terra firma, terrazzo, terrifically, testa, theatric, theistic, theocracy, theosophist, thereunder, Thespis, Thessalonica, thick-headed, Thiers, Thisbe, thole, thrillingly, thrippence, Thurs, ti, tike, timber-line, Tirol, Titanic, toastmaster, Tomsk, tonal, topgallant, toreador, Tortugas, Toscanini, Toulon, towery, town-house, towpath, tracheal, trackage, tractive, trainload, Trajan, transcendentalism, transferable, transitive, transporter, transversal, treasure-trove, treenail, tree-toad, Triassic, triceps, tricky, tricotine, tricuspid, trimeter, trine, Trinitarian, trioxide, triturate, trochee, trollop, true-blue, trundle-bed, Tuareg, tuberculous, tubule, tuff, tunable (ne), Turgenev, turnbuckle, Tuscarora, tussah, Twelfth-night, typography.

ulcerate, umbra, un-American, unbodied, unbraid, unbusinesslike, unchanging, unchartered, unchastity, unconditioned, unconformable, unconformably, unconscionable, uncurl, underofficer, undershot, underslung, undervest, underwriter, unexpurgated, unfledged, univalve, Universalist, unmentionable, unplowed, unreasonable, unreflecting, unstop, upend, upper-class, Uriah, U.S.S.R. (USSR).

vagabondage, vague, vanadium, Vasari, vasomotor, vector, Veda, veiling (n.), velum, vendetta, venous, ventriiloquist, verdigris, vertices, vibratory, villi, virago, virtuosity, visceral, viscounty, Vistula, vituperation, vocalize, volant, volitional, volumetric, voodoo, Vt., vulpine.

Wagnerian, wainscoting, waiver, wanderlust, wassailer, Wassermann, waveless, waverer, weak-kneed, weatherproof, wellfavored, wellwisher, wheresoe'er, Whitefield, white-livered, wholeness, wickerwork, Wiesbaden, wiggly, wildwood, Wilkes-Barre, willy-nilly, wind-instrument, windrow, winecellar, wisteria, wittingly, wive, woebegone, womanish, wristband.

xanthous, xylem.

yak, yardage, yeasty, yellowbird, yestermorn, Yorkist, Yuletide, Yunnan.

Zedekiah, zestful, zither, Zollverein, Zoroastrian.

PART III

*Explanatory Notes, Descriptions, and References to
Descriptions, of the Four Word Counts*

Part III: Explanatory Notes

PART III

The Thorndike count described below, and more fully in the *Teacher's Word Book of 20,000 Words* (E. L. Thorndike, 1931), was based on credits for both occurrences and sources, and reported in serial numbers, 1a for the commonest 500, 1b for the next commonest 500, and so on to 20 for the words that ranked 19,001 to 20,000. These serial numbers have been replaced here by estimated numbers of occurrences per $4\frac{1}{2}$ million according to the table shown below. This table was constructed by taking the average number of occurrences in the semantic count of words of each value in the Thorndike count, using a sampling of about eight thousand of the Thorndike words. But no attempt was made to estimate the number of occurrences of the top 500 words; they are simply marked M.

SCHEME FOR TRANSMUTING THORNDIKE SERIAL ORDER NUMBERS INTO ESTIMATED NUMBERS OF OCCURRENCES PER $4\frac{1}{2}$ MILLION

Serial Number	Occurrences
501-1,000	700
1,001-2,500	500 to 200*
2,501-3,000	160
3,001-3,500	130
3,501-4,000	115
4,001-5,000	90
5,001-6,000	57
6,001-7,000	57
7,001-8,000	50
8,001-9,000	28
9,001-10,000	18
10,001-11,000	16
11,001-12,000	14
12,001-13,000	12
13,001-14,000	11
14,001-15,000	10
15,001-16,000	8
16,001-17,000	7

17,001-18,000	6
18,001-19,000	5
19,001-20,000	4
20,001-40,000	1 to 4**
Not occurring in the Thorndike count	0

The sources for the Thorndike general count T. were as listed below. They are described in more detail on pages 165-176 of *A Teacher's Word Book of Twenty Thousand Words* (E. L. Thorndike, 1931).

1. Black Beauty, chap. 10-19. 11,500 words.
2. Little Women, chap. 1-3. 13,000 words.
3. Treasure Island, chap. 1-5 and part of 6. 13,000 words.

* If the credit number in the Thorndike *Teacher's Word Book* of 1921, or 1927, was 23, the average number of occurrences was set at 200; if the credit number was 24, the average number of occurrences was set at 210; and so on by the following equivalents computed on the basis of the semantic count:

Credit Number	Average Number of Occurrences	Credit Number	Average Number of Occurrences
49	500	35	300
48	430	34	290
47	420	33	280
46	410	32	270
45	400	31	260
44	390	30	250
43	380	29	245
42	370	28	240
41	360	27	235
40	350	26	230
39	340	25	220
38	330	24	210
37	320	23	200
36	310		

** The number of occurrences in the case of these words was based on special credit numbers.

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4. Scrooge's Christmas, 8,000 words.
5. The Legend of Sleepy Hollow, 13,000 words.
6. One issue of the Youth's Companion, 25,000 words.
7. The 56 selections found by Hosc to be the commonest in school readers.
8. Ten primers or first readers (counts by C. N. Smith).
9. Ten second readers (counts by E. T. Hooch).
10. Ten third readers (counts by W. S. Miller).
11. Thorndike, Arithmetics, Book One, 32,000 words.
12. Young and Jackson, Arithmetics, Book One, 35,000 words.
13. Brigham and McFarlane, Essentials of Geography, First Book, pp. 26-256, 83,000 words.
14. Straubenmuller, A Home Geography of New York City, 37,000 words.
15. Thwaites and Kendal, History of the United States, pp. 26-100, 25,000 words.
16. Forman, History of the United States, random pages, 17,000 words.
17. The first 25 pages of each of five textbooks in Geography, 40,000 words.
18. The first 25 pages of each of three textbooks in United States History, 20,000 words.
19. The vocabularies of ten books in Elementary French.
20. The vocabularies of ten books in Elementary German.
21. The vocabularies of five books in Elementary Spanish.
22. Strong, Concordance of the Bible, about 900,000 words.
23. Bartlett, Concordance to the Dramatic Works of Shakespeare, about 900,000 words.
24. Lane Cooper, Concordance to Wordsworth, about 400,000 words.
- 25, 26, 48, 49. Baker, Concordance to Tennyson, about 300,000 words.
- 27, 46. Neve, Concordance to Cowper, about 200,000 words.
- 28, 45. Abbot, Concordance to Pope, about 90,000 words.
- 29, 47. Bradshaw, Concordance to Milton, about 130,000 words.
30. Bartlett, Familiar Quotations, a sampling of 30,000 words.
31. The United States Constitution, and the Declaration of Independence.
32. Farmer, A New Book of Cookery, pp. 1, 11, 21, etc., 4,000 words.
33. Allington, Practical Sewing and Dress-making, pp. 1, 11, 21, 31, etc., 6,000 words.
34. Garden and Farm Almanac, 17,000 words.
35. United States postal regulations in popular form, 1,700 words.
36. Material from trade tests published by the Committee on Classification of Personnel in the Army, 5,000 words.
37. The first word of each entry in the indexes of three mail-order catalogues.
38. The 44,000 words of the Eldridge newspaper count.
39. 40,000 words from a newspaper in Lancaster, Pa., using six issues spread over the year 1920.
40. The Cook-O'Shea list of frequencies from a count of 200,000 words of private correspondence.
41. The Anderson list of frequencies derived from a count of 360,000 words in business and private correspondence.
42. Black Beauty, 155 additional pages.
- 50, 51. Cranford, pp. 1-150.
52. Everyday Classics, Seventh Grade, 155 pages.
53. Heart of Oak Readers, No. VI, 245 pages.
- 54, 55. Heath's Readers, Eighth Grade.
- 56, 57. Henty, Through the Fray.
- 58, 59. Henty, Sheer Pluck.
- 60, 61. Lamb, Tales from Shakespeare, pp. 16-300.
62. Powers, Counts of Five Textbooks in Chemistry, Biology, and General Science (ms.).
63. Rejall, New York State List.

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- 64, 65. Tarr and McMurry, Geography, pp. 30-225.
66. Treasure Island, pp. 48-218.
67. Alcott, Little Women, pp. 1-250.
68. Bartlett, Familiar Quotations, Index.
- 69, 70, 71. Beard and Bagley, History of the American People, pp. 1-600.
72. Bulfinch, Age of Fable, pp. 1-150.
73. Burt, Poems Every Child Should Know.
74. Colvin and Stevenson, Farm Projects, pp. 176-353.
- 75, 76. Dickens, Tale of Two Cities, pp. 1-300 (E.L.)*.
77. Flagg, Community English, pp. 1-253.
78. Hawthorne, Tanglewood Tales (E.L.) pp. 151-300.
79. Popular Mechanics, May, 1926, pp. 705 to 778.
80. Pressey, L. C., Fifteen Counts of Samples from Textbooks (The Technical Vocabularies of the Public School Subjects).
- 81-85. Saturday Evening Post, 100,000 words.
- 86, 87. Aesop's Fables, pp. 1-200.
- 88-91. Andersen, Fairy Tales, pp. 1-387.
- 92-95. Austen, Pride and Prejudice, pp. 1-336.
96. Berry, J. B., Southern Woodland Trees, pp. 1-207.
- 97, 98. Brown, Rab and His Friends, pp. 33-200.
- 99, 100. Bulfinch, Age of Fable (Crowell), pp. 151-400.
- 101-104. Byron, Poems, Vol. 1 (E.L.), pp. 1-400.
- 105, 106. Cole, P. Pioneers of Australian Industry, pp. 1-132.
- 107, 108. Collodi, Pinocchio, pp. 1-268.
109. Cox, Tales of Ancient Greece (E.L.), pp. 35-100.
110. Curtis, List of words in newspaper articles on science not in the Thorndike 10,000 (ms.).
- 111, 112. Dodge, Hans Brinker or The Silver Skates (Dutton), pp. 1-245.
113. Dressmaking, pp. 1-100.
- 114, 115. Dryden, Dramatic Essays (E.L.), pp. 1-200.
- 116, 117. Emerson, Essays, 1st and 2nd series (E.L.), pp. 1-200.
118. Groff, History of the United States, Part II, pp. 267-356.
119. Heart of Oak Reader, Book IV, pp. 1-100.
- 120, 121. Herrick, R. The Real World (Macmillan), pp. 1-355.
122. Horn, Commonwealth Spelling List of 10,000 Words.
- 123, 124. Ingelow, Mopsa the Fairy (E.L.), pp. 1-205.
125. Irving, Sketch Book (U. S. Book Co.), pp. 7-100.
126. Kallen, H. M., Education, The Machine and the Worker, pp. 1-194.
127. Keboch, List of words in five textbooks in History not in the Thorndike 10,000 (ms.).
- 128-131. Lamb, Essays of Elia (Crowell), pp. 1-250.
- 132, 133. Magic Casements (collection of poems for high school pupils), pp. 1-600.
- 134-136. McMurry and Benson, Social Arithmetic, Book III, pp. 1-300.
137. Popular British Ballads (E.L.), pp. 201-317.
- 138, 139. Robinson Crusoe (E.L.), pp. 1-200.
140. Saturday Evening Post, June 7, 1924, 20,000 words.
- 141-144. Scott, Ivanhoe (E.L.), pp. 1-449.
- 145-147. Thackeray, Henry Esmond (E.L.), pp. 1-300.
- 148-150. Trollope, Barchester Towers (Lane), pp. 1-360.
151. Thompson, Seasons (Cresby-Nichols), pp. 1-100.
152. White, Natural History of Seiborne, pp. 5-50.
153. Whitley, M. T., Boys and Girls of Other Lands, pp. 1-100.
- 154-156. Yonge, Book of Golden Deeds (E.L.), pp. 1-300.
- 157-159. Arnold, Poems, pp. 1-300.

* E.L. here and later means that the Edition used was that of Everyman's Library.

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- 160-163. Arnold, Critical Essays (E.L.), pp. 1-380.
- 164, 165. Atlantic Monthly. June, 1927, pp. 729-872.
- 166-171. Boswell, Life of Johnson. Vol. 1 (E.L.), pp. 1-637.
- 172-177. Boswell, Life of Johnson, Vol. 2 (E.L.), pp. 1-610.
- 178-182. Browning, Poems and Plays, Vol. 1 (E.L.), pp. 1-560.
- 183-188. Browning, Poems and Plays, Vol. 2 (E.L.), pp. 1-534.
- 189-191. Burke, Speeches and Letters on American Affairs (E.L.), pp. 1-387.
- 192-196. Byron, Poems and Plays, Vol. III (E.L.), pp. 5-537.
197. Colvin and Stevenson, Farm Projects, pp. 1-175.
- 198-202. Ely, R. T., Studies in the Evolution of Industrial Society (Grosset and Dunlap), pp. 3-489.
- 203-205. Emerson, Essays, Society and Solitude (E.L.), pp. 1-304.
- 206-208. Fiske, Civil Government in the United States, pp. 1-307.
- 209-213. Gibbon, Decline and Fall of the Roman Empire, Vol. I (E.L.), pp. 1-500.
- 214-218. Gibbon, Decline and Fall of the Roman Empire, Vol. II (E.L.), pp. 1-523.
- 219-222. Gibbon, Decline and Fall of the Roman Empire, Vol. III (E.L.), pp. 1-462.
- 223-227. Gibbon, Decline and Fall of the Roman Empire, Vol. IV (E.L.), pp. 1-534.
- 228-233. Gibbon, Decline and Fall of the Roman Empire, Vol. V (E.L.), pp. 1-590.
- 234-239. Gibbon, Decline and Fall of the Roman Empire, Vol. VI (E.L.), pp. 1-570.
240. Harap, H., Education of the Consumer, pp. 1-100.
- 241-243. Holmes, Autocrat of the Breakfast Table (E.L.), pp. 1-300.
244. Irving, Sketch Book (U. S. Book Co.), pp. 101-200.
- 245-248. Keats, Poems (E.L.), pp. 1-383.
- 249-251. Lang, A., Green Fairy Book (Grosset and Dunlap), pp. 1-300.
- 252-255. Longfellow, Poems (E.L.), pp. 1-452.
256. Marshall, Readings in the Story of Human Progress, pp. 22-100.
257. Muir, E., The Marionette, pp. 1-125.
- 258-260. Newman, Apologia (E.L.), pp. 1-326.
- 261-264. Poe, Tales of Mystery and Imagination (E.L.), pp. 1-527.
265. Popular Mechanics, May, 1927, pp. 705-788.
266. Ross and McCaull, Readings in Civic Sociology, pp. 1-100.
- 267-271. Shelley, Poems, Vol. I (E.L.), pp. 1-495.
- 272-275. Shelley, Poems, Vol. II (E.L.), pp. 1-400.
276. The New York Sun, Radio Section, June 4, 1927, pp. 1-14.
- 277-279. Thoreau, Walden (E.L.), pp. 1-294.
- 280-285. The original records of the counts of 1,000,000 words from the Encyclopaedia Britannica, 250,000 words from the Ladies' Home Journal, 250,000 words from the Saturday Evening Post, 100,000 words from the Literary Digest, and 100,000 words from four textbooks in English and history, that were made by Dr. Grinstead for the American Classical League.

The Lorge magazine count (column L) included nearly a million words from each of the following: Saturday Evening Post, Woman's Home Companion, Ladies' Home Journal, True Story, and Reader's Digest. Twelve issues of each magazine, spread somewhat evenly over the years 1927 through 1938, were used. The count was made by counting separately every combination of letters found. For example, *arm*, *arms*, *arm's*, *arms'*, *arming*, and *armed* were counted separately. The numbers in column L are influenced by judgment only in such cases as the separation of adjectives in *ing*

Part III: Explanatory Notes

or *ed* from other forms spelled identically, or the separation of names of persons from common nouns spelled identically.* In such cases we rely mainly upon the semantic count, in which separations by function and meaning as well as by literal form were made. For example, in the semantic count $8\frac{1}{2}$ per cent of the occurrences of all forms of *abandon* are for *abandoned* as an adjective. So we take $8\frac{1}{2}$ per cent of the 164 occurrences of all forms of *abandon* in the Lorge count as *abandoned* (adj.). Such numbers computed on the basis of semantic count percentages are not starred.

The Thorndike juvenile count gave additional help in separating the occurrences of names of persons. The frequencies of such plurals as *beginnings* or *drawings* gave help in checking the use of semantic count percentages for verbal substantives.

The Lorge-Thorndike semantic count is described elsewhere.** For most words it included about four and a half million words, but for some it included only two and a quarter, in which cases the number of occurrences is doubled before entry in the S column.

The semantic count does not keep separate records of plurals, verb forms in *ed*, *ing*, etc., or irregular forms like *came*, *grew*, and *been****

* The tabulators of the Lorge count began every word in their record with a capital, so that, for example, one cannot tell how many occurrences there are of *smith* as distinguished from *Smith*, or *porter* as distinguished from *Porter*, without recourse to the original detailed records.

** The count as published (A Semantic Count of English Words by Irving Lorge and Edward L. Thorndike) has been extended by Dr. Lorge with further aid from W.P.A. The count as published contains only multi-meaning words, but our records contain counts of words for which the Oxford Dictionary gives only a single meaning and also for words which are not entered at all in the Oxford Dictionary, especially proper names. The entries in the S column use these extensions of the published count and additional records. If the additional record is from less than $4\frac{1}{2}$ million words, it is multiplied by a suitable number.

The probable frequency of any of these forms may be computed by proportioning the total frequency according to the separate frequencies that are recorded in one or more of the other three counts, especially in the L and J counts.

The Thorndike juvenile count (column J) included about four and a half million words from the "sources" listed below. These were taken mostly from the Terman-Lima list of approved reading for the pupils in grades 3 to 8. If a book that is not specified as two or three "sources" contained more than 40,000 words, only the first 40,000 were used. Forms in *-ly* and *-n*, plurals, possessives, and verb forms in *-ing*, *-ed*, and *-n* were counted separately. But the commonest 2,500 words in the Thorndike list were not counted at all. The number of occurrences for each of these 2,500 words in the J column is consequently an estimate. These estimates were made by any one of the following methods that seemed suitable: (A) the number in the Thorndike general count (T) was used; (B) the average of the number in the Thorndike and that in the semantic count (S) was used; (C) the average of the numbers in the T, L, and S counts was used; (D) some number intermediate between (A) and (B) was used. In making these estimates we kept in mind that the Terman-Lima books were relatively rich in natural history, Greek and Norse mythology, and knightly adventure, and favored certain archaic words, and that the T count was distinguished from the other three by the inclusion of textbooks in arithmetic, geography, and history.

The Sources of the Thorndike Juvenile Count
Adventures of a Grain of Dust. Hellam
Hawthornth.
*Arabian Nights Entertainment or Thousand
and One Nights.*
At the Back of the North Wind. George
Macdonald.

*** It does, however, keep separate account of the substantival, verbal, and adjectival uses of a word.

Part III: Explanatory Notes

- Beyond the Pasture Bars. Dallas L. Sharp.
 Biography of a Grizzly. Ernest Thompson Seton.
 Bird Stories. Edith M. Patch.
 Bird Stories from Burroughs. John Burroughs.
 Black Beauty. Anna Sewell.
 Book of Stars. F. A. Collins.
 Book of the Ocean, The. Ernest Ingersoll.
 Boyhood of a Naturalist, The. John Muir.
 Boy of the First Empire, A. Elbridge S. Brooks.
 Boy's Life of Abraham Lincoln. Helen Nicolay.
 Boy Who Knew What the Birds Said, The. Padraic Colum.
 Coat of Many Colors, The. Nannie Meiklejohn.
 Champions of the Round Table.
 Children of Grizzly.
 Children's Book of Celebrated Pictures. L. M. Bryant.
 Children's Book of Celebrated Sculptures. L. M. Bryant.
 Classic Myths in English Literature and Art. Charles M. Gayley. pp. 1-72.
 Classic Myths in English Literature and Art. Charles M. Gayley. pp. 106-180.
 Colonists and the Revolution, The. The Century Co. (publisher).
 Dove in the Eagle's Nest. Charlotte M. Yonge. pp. 1-109.
 Dove in the Eagle's Nest. Charlotte M. Yonge. pp. 110-219.
 Explorers and Settlers. Century Co. (publisher).
 Famous Legends. Emeline G. Crommelin.
 Field, Forest, and Farm. Jean Henri Fabre.
 Florence Nightingale, the Angel of the Crimea. Laura E. Richards.
 Golden Leaves. A. I. Gates. pp. 1-245.
 Golden Leaves. A. I. Gates. pp. 246-369.
 Good Stories for Great Holidays. Frances I. Olcott.
 Heroes of Today. Mary R. Parkman.
 Heroines of Service. Mary R. Parkman.
 Hero Tales from American History. Roosevelt and Lodge.
 Historic Inventions. Rupert S. Holland. pp. 11-159.
 Historic Inventions. Rupert S. Holland. pp. 160-233.
 In the Days of Giants. Abbie F. Brown.
 In the Days of Queen Elizabeth. Eva March Tappan.
 In the Days of William the Conqueror. Eva March Tappan.
 Johnny Blossom. Dikken Zwilgmeyer, pp. 1-118.
 Johnny Blossom. Dikken Zwilgmeyer, pp. 119-163.
 Lances of Lynwood. Charlotte M. Yonge.
 Land of Pluck. Mary Mapes Dodge.
 Lyxbeth; a Tale of the Dutch. H. Rider Haggard.
 Lisbeth Longfrock, Hans Aanrud.
 Little Brother to the Bear, A. William J. Long.
 Little Captive Lad, A. Beulah M. Dix.
 Little Duke, The. Charlotte M. Yonge.
 Long Will. Florence Converse.
 Manual Training Toys for the Boy's Workshop. H. W. Moore.
 Martin Hyde, the Duke's Messenger. John Masefield.
 Master Skylark. John Bennett.
 Men of Iron. Howard Pyle.
 Merry Adventures of Robin Hood. Howard Pyle.
 More than Conquerors. Ariadne Gilbert.
 Old Greek Stories. James Baldwin.
 Paul and Virginia. B. de Saint-Pierre.
 Pigeon City.
 Pinocchio. G. Collodi.
 Pioneers of America. A. F. Blaisdell and F. K. Ball.
 Pleasant Lands. A. I. Gates. pp. 1-310.
 Pleasant Lands. A. I. Gates. pp. 311-462.
 Prince and His Ants, The. Luigi Bertelli.
 Progress of a United People, The. Century Co. (publisher).
 Real Stories from Our History. John T. Faris.
 Robin Hood: His Book. Eva March Tappan.
 Books and Minerals. A. H. Verrell.

Part III: Explanatory Notes

- Scientific American Boy, A. Russell Bond.
 Second Book of the Great Musicians. P. A. Scholes.
 Secrets of the Earth. Chelsea Fraser.
 Secrets of the Woods. William J. Long.
 Squirrels and Other Fur-bearers. John Burroughs.
 Stories of Norse Heroes. E. M. Wilmot-Button. pp. 1-202.
 Stories of Norse Heroes, pp. 203-243, and Famous Legends, pp. 129-177.
 Stories of Our Mother Earth (in part) and pp. 126-190 of Bird Stories from Burroughs.
 Story of Starland. Mary Proctor.
 Stories of Useful Inventions. S. E. Forman.
 Story Books of Science. Jean Henri Fabre.
 Story of Glass, The. Sara W. Bassett.
 Story of King Arthur and His Knights. Howard Pyle.
 Story of Mankind, The. Hendrik W. van Loon.
 Story of Our Constitution. Eva March Tappan.
 Story of Siegfried. James Baldwin.
 Story of Sir Launcelot and His Companions. Howard Pyle.
 Story of the Golden Age. James Baldwin.
 Story of the Grail and the Passing of Arthur, The. Howard Pyle.
 Tale of Two Cities, A. Charles Dickens, pp. 8-118.
 Tale of Two Cities, A. Charles Dickens, pp. 119-227.
 Tale of Two Cities, A. Charles Dickens, pp. 227-335.
 Tenants of the Trees. Clarence Hawkes.
 The Civil War. Century Co. (publisher).
 The Lucky Sixpence. E. B. and A. A. Knipe.
 The English History Story Book. A. F. Blaisdell and F. K. Bell.
 The Making of an American. Jacob Felt.
 The Westward Movement. Century Co. publishers. pp. 169-250.
 Tiny Toolers and Their Work. G. Grant and Clark.
 Trails to Woods and Waters. Clarence Hawkes.
 Tom Brown's School Days. Thomas Hughes.
 Training of Wild Animals. The. F. S. B-stock.
 Treasure Flower. Ruth Gaines.
 Treasury of Plays for Children. Montrose J. Moses.
 Water Babies. Charles Kingsley.
 Ways of Wood Folks. William J. Long.
 What Happened to Inger Johanne. Dikken Zwilgmeyer.
 When a Cobbler Ruled a King. Augusta H. Seaman.
 Wild Animals at Home. Ernest Thompson Seton.
 Wilderness Ways. William J. Long.
 Wild Neighbors. Ernest Ingersoll, pp. 190-287.
 Wonder Book of Chemistry, The. Jean Henri Fabre.
 Wonderful Adventures of Nils. Selma Lagerlof. pp. 3-222.
 Wonderful Adventures of Nils. Selma Lagerlof. pp. 223-427.
 Wonders of Instinct, The. Jean Henri Fabre.
 Wonders of the Jungle. The. Sarah Ghosh.
 Wood Folk at Home.
 World of Sound. Sir William Bragg.
 Young Citizen, The. Charles F. Dole.
 Young Citizen's Own Book, The. Chelsea C. Fraser.

PART IV

*The Number of Occurrences (in Lorge Magazine Count and
Lorge-Thorndike Semantic Count) of Words Occurring
1,000 or More Times in Either of These Counts*

PART IV*

a 117,222 ?, about 9918 ?, according 365 1225, across 1154 ?,
act 926 2111, action 464 1079, add 2015 ?, after 5552 ?,
afternoon 1033 283, again 3967 ?, against 2154 ?, age 1022. 1249
ago 1107 988, all 17799 ?, almost 2202 ?, alone 1315 ?. along 1534 ?,
already 1100 1082, also 1586 ?, always 3285 ?, am 2453 ?,
American 2329 3841, among 1051 ?, an 13897 ?, and 135672 ?.
another 2591 ?, answer 2132 ?, any 6532 ?. anything 2651 843,
appear 1162 1740, are 15748 ?, arm 2338 ?, army 340 1664.
around 2690 ?, art 537 1396, as 30693 ?, ask 17971 ?. at 26250 ?,
away 3726 ?.

baby 1430 246, back 6587 2746, bad 1001 576, bank 835 1442,
battle 307 1069, be 19645 ?, became 966 1524*, because 3679 2846
become 1191 1940*, bed 1236 746, been 9870 ?, before 5011 4386,
began 2006 1850*, begin 1109 950*, behind 1122 780. being 2417 ?,
believe 1371 1654, best 1850 1918, better 2354 1860. between 1526 3416.
big 1773 1070, bill (B) 1403 655, black 1083 888, body 999 1674.
book 684 2206, both 1703 2378, boy 1567 1532, bring 884 1092.
British 290 1658, brought 1282 1572*, brown 1093 222, building 1014 912*.
built 1152 1084*, business 2850 1760, but 23704 21380, by 11454 29130.

call 3533 3758, came 5227 3400*, can 6733 ?, cannot 1019 ?,
can't 1491 ?, car 2218 820, care 1622 3014, carry 1500 2166,
case 912 2110, cause 940 1952, cent 846 1025, century 373 1461,
chair 1298 300, chance 1342 687, change 792 1936, chapter 63 1232,
character 522 1002, Chicago 621 1020, chief 545 1168, child 1574 786*,
children 2632 1180, city 1258 3292, class 687 1196, close 1862 1328.
clothes 1207 257, cold 1092 764, color 1541 958, come 5983 4053*,
coming 1486 800, common 568 1147, company 802 1382, condition 855 1775,
consider 997 1057, contain 373 1011, continue 4053 1887, cook 1171 285.
cost 903 1169, could 8699 ?, couldn't 2192 ?, country 1714 4350.
course 2343 1768, court 701 1389, cover 1323 1144, cry 736 1246,
cup 1336 163, cut 943 1062.

dance 1167 364, dark 1005 ?, day 4549 ?, de 500 1473, dear 1326 ?,
declare 457 1122, demand 1537 1422, desire 779 1032, did 6072 ?,
didn't 4158 ?, die 1079 ?, different 1194 1226, dinner 1266 315,
do 8683 ?, doctor 1631 1390, does 1549 ?, dollar 1790 1074,
done 1931 ?, don't 6784 ?, door 2511 ?, down 5534 ?, dress 1790 ?,
drop 1036 ?, during 1081 ?.

* The first number after the word is the number of occurrences in the Lorge magazine count; the second is the number of occurrences in the Lorge-Thorndike semantic count. A question mark in place of a second number means that data from the semantic count were not available.

Part IV: each to like

each 2619 1814, early 1022 1310, easy 1077 476, either 1108 994,
else 1357 479, end 1929 1387, England 497 1193, English 642 1221,
enough 2113 892, even 4198 1774, evening 2087 731, ever 2646 832,
every 3323 1720, everything 1854 463, expect 1082 645, explain 1071 536,
eye 5786 908.

face 3902 ?, fact 2114 2882, fail 1048 ?, family 1976 ?, far 1835 ?,
father 3235 ?, feel 1561 ?, feet 1540 ?, felt 2531 ?, few 2740 ?,
fight 1391 1437, figure 1202 1758, fill 1137 ?, finally 1090 706,
find 2698 ?, fine 1078 ?, finish 1028 424, fire 1319 ?, first 5154 ?,
five 1462 ?, floor 1001 ?, follow 1554 ?, food 1283 ?, fool 1140 308,
for 39363 ?, force 1019 2202, foreign 362 1014, found 2892 ?,
four 1637 ?, France 328 1510, friend 2553 ?, from 16737 ?,
front 1094 ?, full 1129 ?, further 479 1150.

garden 1036 ?, gave 1442 ?, German 403 1334, Germany 224 1136,
get 6975 ?, girl 4058 ?, give 3112 ?, given 1054 ?, glass 1001 408,
go 10278 ?, going 4623 ?, gone 1859 ?, good 5122 ?, got 4110 ?,
government 810 3165, great 3834 ?, green 1025 ?, group 1032 975.

had 34341 ?, hair 1183 242, half 1984 1572, hand 3334 3582,
happen 1933 766, happy 1449 540, hard 1909 1086, has 7921 ?,
have 24456 ?, he 49268 36784, head 5047 2286, hear 1052 800,
heard 1954 1519, heart 2067 2169, held 1214 1200*, help 1942 1482,
her 31869 11374, here 4125 3178, herself 1594 1054, he's 1447 ?,
high 1674 3110, him 18136 12406, himself 2359 2710, his 30748 32140,
history 514 1359, hold 836 2588, home 5559 2208, hope 1180 1188,
horse 851 2874, hot 1006 792, hour 2485 1434, house 4231 2588,
how 5197 4446, however 1263 2370, human 963 1048, hundred 1355 1692,
husband 1788 522.

I 89489 24250, ibid 0 1224, I'd 1797 ?, idea 1824 1079, if 14506 9086,
I'll 3056 ?, I'm 4682 ?, important 1130 1350, in 75253 96674,
include 533 1053, increase 781 2012, industry 433 1124, interest 2299 2237,
into 9231 7016, is 33404 43816, island 395 1080, isn't 1351 ?,
it 52107 41160, its 5827 8464, it's 3422 ?, itself 775 1275.

job (J) 1724 260, John 1648 565, journal 1008 775, just 6347 ?.

keep 2081 1606*, kept 1175 904*, kind 1521 1532, king (K) 393 4792,
kiss 1027 161, knew 3654 2500*, knight 47 2678, know 7106 3000*,
known 1091 600*,

labor 628 1729, lady 2114 1827, lake 408 1044, land 940 2696,
large 1697 3214, last 3517 3041, late 2859 2200, laugh 1768 670,
law 871 2288, learn 1304 918, least 1259 1081, leave 2379 ?,
left 2786 ?, less 1357 1874, let 3183 2036, letter 1748 1570,
lie 610 1550, life 4804 3687, light 2387 2076, like 9499 4472,

Part IV: line to run

line 1498 3322, listen 1284 469, little 8659 4975, live/ing 4307 2418,
locate 1247 151, London 426 1267, long 5362 4391, look 9215 3068
lord (L) 289 1179, lost 1074 1016, lot 1300 366, love 5129 2784.
low 1224 1664.

made 5489 4470*, make 7143 6706*, man 7355 7930, many 3974 5338.
mark 404 1822, marry 2247 438, Mary 1062 297, matter 1793 1556.
may (M) 4293 5800*, me 23364 5818, mean 2373 3004, member 666 1229,
men 3614 3890, might 3089 4202*, mile 1020 820, mind 2366 1392.
mine 1119 804, minute 2353 780, miss M: 2408 1076, moment 2396 1158,
money 3089 2326, month 1972 1190, more 5015 8786, morning 2015 832,
most 3443 5618, mother 3993 1580, mountain 288 1230, move 1866 1270,
Mr. 3857 4106, Mrs. 3651 959, much 4816 4450, must 4302 4298,
my 22184 8160, myself 2344 607.

name 1335 1477, nation 530 1432, national 660 1600, nature 649 1107,
near 1338 1742, necessary 715 1017, need 2539 1786, never 5715 3292,
new 3961 5028, news 695 1010, New York 1245 4086, next 2321 1374,
night 3385 1858, no 11742 9492, nor 755 1343, north (N) 329 1402,
not 21863 24898, note 948 1183, nothing 2817 1822, now 7565 6306.
number 954 2358.

of 112601 117108, off 3644 2154, office 1640 1026, often 1527 1232,
oh 2831 755, old 5201 4140, on 30224 28382, once 2957 2014.
one 17569 14860, only 7267 6136, open 1567 1924, opinion 438 1130,
or 14851 17564, order 1477 2212, other 7109 9292, our 7599 6075.
out 13649 5548, over 7520 5184, own 4202 3478.

page 3610 526, paint 1102 382, paper 1235 1377, part 1585 3910.
party 1442 1623, pass 1815 2431, passage 171 1336, past 1083 681,
pay 1392 1270, peace 472 1335, people 3574 3943, percent ('percent') 315 1104,
perhaps 1833 1247, period 574 1016, person 978 1386, picture 1463 831,
place 3649 4048, plan 1875 1332, plant 944 1050, play 2606 1456
please 1024 481, point 1377 2090, political 452 1200, poor 857 1183,
position 757 1119, possible 1289 1177, post 1043 758, power 911 2756.
present 1075 2572, president 1019 2041, press 664 1046, pretty 1195 433,
price 1026 2004, probably 1077 957, problem 1079 961, produce 601 1404,
promise 1036 646, public 1047 2167, purpose 594 1126, put 2896 2082.

question 1302 1786, quite 1732 1059.

rather 1645 1206, reach 1457 1415, read 1536 1505, real 1260 906,
realize 1383 468, really 1944 680, reason 1121 1319, receive 735 1587,
record 517 1002, red 1036 918, regard 407 1029, remain 867 1510,
remember 1682 777, reply 1249 663, report 751 1230, rest 1077 1175,
result 898 1665, return 1670 1855, right 3874 2334, river 455 1397,
room 3789 850, run 1643 1251.

Part IV: said to woman

said 13309 10486, same 1747 3320, sat 1563 677, Saturday 1048 83,
saw 2443 1708, say 4061 3168, scene 508 1334, school 1585 1398,
sea 595 1326, second 926 1380, see 6146 4295, seem 4577 3065,
seen 1402 980, sense 1080 933, serve 1195 957, service 970 1453,
set 1636 1906, several 827 1523, shall 708 1288*, she 31087 8313,
she's 1120 0, ship 678 1308, short 887 1234, should 3054 5560,
shoulder 1135 483, show 2032 2670, side 1517 2245, since 1425 1649,
sir 876 6847, sit 1206 524, slowly 1010 186, small 1818 2173,
smile 2143 566, so 11712 12185, some 5761 6328, something 3089 1348,
sometimes 1283 693, son 993 1092, soon 1445 1410, sort 1461 763,
sound 1305 1136, south 378 1430, St. 179 1359, stand 1707 1091,
star 527 1000, stare 1022 136, start 2207 1073, state 1564 6221,
stay 1275 463, step 1410 763, still 2356 2710, stood 1891 1210,
stop 1797 790, story 1651 1119, street 1197 1023, strong 770 1314,
study 942 1041, subject 641 1327, such 2541 5769, suddenly 1557 627,
sun 603 1342, supply 566 1437, suppose 1387 711, sure 1458 779,
system 551 1546.

table 1325 677, take 5157 3812, taken 1474 1092, talk 3100 1018,
tell 3800 1243, ten 1260 1118, than 6757 4902, that 55667 52818,
that's 2359 ?, the 236472 ?, thee 49 1129, their 12312 14029,
them 10278 8729, themselves 963 1443, then 10208 6928, there 14233 12978,
therefore 387 1230, there's 1160 ?, these 4672 7200, they 18010 17981,
thing 6429 3422, think 5392 2709, this 14151 21065, those 3008 3983,
thou 40 1695, though 1945 2499, thought 3990 1961, thousand 1240 1641,
three 2873 2972, through 4359 4024, thus 598 1833, time 8559 8524,
to 115358 ?, today 1104 859, together 1835 1384, told 3801 1244,
too 4914 2864, took 2907 2148, touch 1016 613, toward 1788 1169,
town 1607 1632, trade 523 1038, train 1019 564, tree 942 1254,
tried 1557 565, trouble 1180 734, true 1711 1348, try 2018 750,
turn 3952 2375, twenty 673 1350, two 5958 6195.

uncle 730 1046, under 2961 3637, understand 1251 628,
United States 424 2349, until 2960, 1686, up 11718 5619, upon 2758 5018,
us 4943 3415, use 4276 3995.

value 384 1165, various 459 1068, very 4630 5523, view 635 1315,
voice 1998 1061.

wait 2216 614, walk 2084 806, wall 1122 863, want 7628 1467,
war 1118 2981, was 58732 42552, Washington 477 2698, wasn't 1570 58,
watch 1722 641, water 2067 2672, way 5498 3261, we 17996 11484,
week 2253 780, well 6295 3399, went 5533 2276, were 15082 16340,
west 541 1008, what 12461 6838, when 14775 9751, where 4925 4202,
whether 1094 1236, which 11183 19533, while 3340 3306, white 2663 1178,
who 9307 9739, whole 1663 1792, whom 793 1309, whose 830 1680,
why 3896 1493, wife 1668 842, will 9573 19035, window 1564 513,
wish 1220 815, with 32903 38041, without 2803 2934, woman 2431 970,

Part IV: women to you've

women 2552 972, wonder 1426 635, won't 1330 ? , wood 620 1012,
word 2845 2036, work 2720 4515, world 3133 3487, would 13299 ?
wouldn't 1610 10, writer 288 1009.

year 6864 6556, yes 2202 593, yet 2057 2396, you 42581 12651,
you'll 1156 164, young 3972 1921, your 9052 3641. you're 2051 182,
you've 1317 72.

Part V: Words 1-500

PART V—FIRST 1,000 WORDS*

WORDS 1-500

a about above across act add after again against age ago air all almost
alone along already also always am America American among an and another
answer any anything appear are arm army around as ask at away

back bank be became because become been before began begin being believe
best better between big bill (B) body book both boy bring brought built
business but by

call came can car care carry case cause chance change child children
city close color come coming company condition consider continue cost
could country course court cover cry cut

day dear demand did die different do doctor does dollar done don't door
down dress drop during

each early either end enough even evening ever every everything eye

face fact fall family far father fear feel feet felt few fight figure fill
find fine fire first five follow food for force found four friend from front
full

garden gave get girl give given go god (G) gone good got government
great green

had half hand happen happy hard has have he head hear heard heart
held help her here herself high him himself his hold home hope horse
hour house how however human hundred husband

I idea if I'll important in increase interest into is it its itself

John just

keep kept kind king knew know

labor lady land large last late laugh law learn least leave left less let
letter lie life light like line little live long look lost love low

made make man many mark marry matter may (M) me mean men might

* Contractions, except *can't*, *don't*, and *I'll*, are omitted from these lists. The assignment of cases near the borderline between the first 500 and the second 500 is made mainly on the basis of the L and S counts. A few words are

excluded or put in the second 500 rather than in the first for special reasons. For example, *journal* would be included on sheer frequencies but this is probably unduly swollen by occurrences of the words *Ladies' Home Journal*.

Part V: First 1,000 Words

mile mind miss (M) moment money month more morning most mother
move Mr. Mrs. much must my myself

name national near need never new New York next night no nor not
note nothing now number

of off office often old on once one only open or order other our out
over own

paper part party pass pay people perhaps person picture place plan plant
play point poor possible power present president price produce public put

question quite

rather reach read real reason receive red remain remember rest result
return right river road room round run

said same sat saw say school sea second see seem seen serve set several
shall she ship short should show side since sir small smile so some
something son soon sort sound speak stand start state step still stood
stop story street strong such sun supply suppose sure system

table take taken talk tell ten than that the their them themselves then
there these they thing think this those though thought thousand three
through thus time to today together told too took toward town tree tried
true try turn twenty two

under until up upon us use

very voice

wait walk wall want war was Washington watch water way we week
well went were what when where whether which while white who whole
whom whose why wife will wind window wish with within without woman
women wonder word work world would write wrong

year yes yet you young your

WORDS 501-1000

able accept according account action admit advance affair afternoon afraid
agree allow although amount animal arrive art Arthur article attempt

baby bad bag ball battle bay bear beat beautiful beauty bed behind
belong below beside beyond bird bit black blood blow blue board boat
born box branch break bridge bright British broken brother brown build
building burn busy buy

Part V: First 1,000 words

cannot can't captain catch caught cent center century certain certainly
chain chair character charge Chicago chief church circle class clean clear
clothes cloud club coal coat cold college command common complete contain
control cook cool corner count cross crowd cup

dance dare dark date daughter dead deal death decide declare deep degree
desire destroy difference dinner direct direction discover distance dog double
doubt draw dream drink drive dry due duty

ear earth east easy eat edge effort egg eight else enemy England English
enjoy enter escape especially Europe except expect experience explain express

fail fair famous farm farmer fast favor fell fellow field finally finger finish
fish fit floor flower fly fool foot foreign forest forget form forth forward
France free French fresh fruit further future

gain game gate gather general gentleman George German Germany glad
glass going gold golden grant (G) grass gray grew ground group grow guard
guess guide

hair hall hang hat health heat heaven heavy height Henry hill history
hole honor hot hurry hurt

ice ill inch include indeed Indian industry instead iron island issue

job join joy judge

kill kiss kitchen knee knight known

laid lake lay lead led leg length lift lip listen London lord lose loss
lot lower

manner march market Mary master material measure meat meet meeting
member met method middle milk million mine minute modern mount mountain
mouth movement music

nation natural nature nearly necessary neck neighbor neither news nice
nine none north nose notice

O object obtain ocean offer officer oh oil opinion ought outside

page paid pain paint pair past peace period pick piece plain pleasant
please pleasure position post pound practice prepare press pretty prince
probably problem promise prove provide pull purpose

quarter queen quickly

Part V: First 1,000 Words

race rain raise ran ready realize really record refuse regard reply report
require rich ride ring rise rock roll rose rule rush

safe sail salt save scene season seat seek sell send sense sent service
settle seven shade shape stare shoe shop shore shot shoulder shout sick
sight sign silver simple sing single sister sit six size skin sky sleep smoke
snow soft soil sold soldier sometimes song soul south space special spend
spirit spoke spot spread spring square St. star station stay stick stock
stone store storm straight strange stream strength study subject success
sudden suddenly suffer sugar suit summer surprise sweet

tall taste teach tear thank thee therefore thin third thirty thou tie till
tire (d) tomorrow top touch trade train travel trip trouble trust truth
twelve

uncle understand usually

valley value various view village visit

warm wave wear weather weight west wide wild wing (ed) winter wise
wonderful won't wood worth

yard yellow yourself

ORIGINAL THORNDIKE—WORDS 1 TO 500

We report here also the first 500 and the second 500 words from the original Thorndike count. This gave credit for the number of sources in which a word was found as well as for the number of times it occurred, and emphasized school readers and textbooks, the Bible, and the English classics. Its first thousand words consequently differ from the thousand shown above in being free from certain words used often but somewhat narrowly, such as *Arthur*, *George*, and *John*, and

in having words like *apple*, *basket*, *beast*, *bee*, *bell*, *bless*, *blind*, *bone*, *brave*, *bread*, *breakfast*, *brook*, and *butter* instead of words like *accept*, *according*, *admit*, *affair*, *attempt*, *century*, *college*, *declare*, *degree*, and *direction*. They are perhaps better to use in choosing very common words for children. We append to them a list of the 110 words not in them which are in the most frequent thousand by the wider counts.

a about above across add after again against air all almost alone along
also always am among an and another answer any apple are arm around
as ask at away

back bad ball bank be bear beautiful become because bed been before begin
behind being believe best better between big bird black blow blue body book
both box boy bread bring brother brought build burn but buy by

Part 7: First 1,000 words

call came can care carry case cause certain change child children church
city clear close cold color come company corn could country & use over
cross cut

dark day dead dear death deep did die do does done door down draw
dress drink drive drop during

each ear early earth east eat egg end enough even ever every eye

face fair fall family far fast father fear feel feet few field fill find fine
fire first five floor flower fly follow food foot for form found four free
fresh friend from front full

garden gave general get girl give given glad go God gold good got great
green ground grow

had hair half hand happy hard has have he head hear heart heavy help
her here high hill him himself his hold home hope horse hot hour house
how hundred

I if in into is it its

just

keep kill kind king know known

land large last late laugh law lay lead learn leave left length less let
letter lie life light like line little live long look lost love low

made make man many mark matter may me mean measure meet men
might mile milk mind mine miss money month more morning most mother
mountain move much must my

name near need never new next night no north not nothing now number

of off often old on once one only open or order other our out over own

paper part pass pay people person picture piece place plain plant play
please point poor power present pretty put

quick

rain raise reach read ready reason receive red remain remember rest rich
ride right river road rock roll room round run

said sail same save saw say school sea second see seem seen send sent
serve set several shall she ship short should show side sight silver since
sing sister sit six sleep small so soft soldier some something sometime

Part V: First 1,000 Words

son soon sound south speak spring stand start state stay step still stone
stop story street strong such summer sun sure sweet

table take talk tell ten than thank that the their them then there these
they thing think third this those though thought thousand three through
till time to today together too top town train tree true try turn two

under until up upon us use

very visit voice

wait walk wall want war warm was watch water way we week well
went were what when where which while white who whole why wide
will wind window winter wish with without woman wood word work world
would write

year yet you young your

ORIGINAL THORNDIKE—WORDS 501 TO 1000

able account act afraid afternoon age ago allow already although American
amount animal anything appear army arrive art article asleep attend

baby bag band basket battle bay beast beat beauty bee began bell belong
beside bill (B) bit bless blind blood board boat bone born bottom bow
branch brave break breakfast bridge bright broad broken brook brown
building built business busy butter

cake cannot cap captain car careful catch cent center chair chance charge
chief choose Christmas circle class clean clock cloth clothe (ing) clothes cloud
coal coast coat coming command common complete condition contain continue
cook cool corner cost count court cow cried crowd crown cry cup

dance dare date daughter deal decide delight demand desire destroy difference
different dinner direct discover distance divide doctor dog don't double
doubt dream dry dust duty

easy edge eight either else enemy England English enjoy enter entire equal
escape evening everything except expect express extend

fact famous fancy farm farmer fat favor feed fell fellow felt fence fight
figure finger finish firm fish fit fix flow following force forest forget former
forth forward fourth France French fruit

gain game gate gather gentle gentleman gift glass going golden gone
government grace (G) grain grant grass grave gray grew guard guess guide

Part V: First 1,000 Words

hall hang happen hat health heard beat heaven height held herself hide
history hole honor however hunt hurry hurt husband

ice ill important inch increase indeed Indian instead interest iron island
join journey joy judge jump

kept kiss knee knew

labor lady laid lake least led leg lesson lift lion lip list listen lead lord
lose loss lot loud lower

mail manner march (M) market master meat member met middle mill minute
moment moon mount mouth Mr. Mrs. music myself

narrow nation natural nature necessary neck neighbor neither nest New York
nice nine noise none noon nor nose note notice

O oak object ocean offer office officer oh outside

page pain paint pair party path peace pen perfect perhaps pick plan pleasant
pleasure possible post pound practice prepare press price prince promise
proper proud prove public pull pure purpose

quarter queen question quiet quite

race ran rapid rather real reply report require ring rise roof rose row
rule rush

sad safe salt sand sat season seat seed seek seize self sell separate service
settle seven shade shake shape sheep shine shoe shop shore shoulder shout
shut sick sign silk simple single sir size skin sky slow smile smoke snow
soil sold song sort soul space spend spirit spoke spot spread square star
station stick stock stood store storm straight strange stream strength strike
study subject sudden suffer sugar suit supply suppose surprise

tail tall taste teach teacher tear thee themselves therefore thick thin thou
throw thus tie tire (d) told tomorrow tongue took touch toward (s) trade
travel trip trouble trust truth twelve twenty

uncle understand unite usual

valley value view village

wash waste wave weak wear weather weight west wheat wheel whether
whom whose wife wild win wing wise within wonder wonderful worth wrong

yard yellow yes yesterday

Part V: First 1,000 Words

110 WORDS NOT IN ORIGINAL THORNDIKE 1-1000

WORDS IN THE NEW LIST OF THE MOST FREQUENT THOUSAND WHICH WERE NOT IN THE FIRST THOUSAND BY THE ORIGINAL THORNDIKE COUNT THAT EMPHASIZED READING FOR CHILDREN

accept according action adult advance affair agree America Arthur attempt
became below beyond British can't caught century certainly* chain character
Chicago club college consider control declare degree direction dollar due
effort especially Europe experience explain fail finally fool foreign further
future George German Germany group Henry human idea I'll include industry
issue itself job John kitchen knight (K) London marry Mary material meeting
method million modern movement national nearly* news obtain oil opinion
ought paid past period position pound president probably* problem produce
provide quickly* realize really* record refuse regard result return scene sense
share shot special St. success suddenly system taken third thirty tried
usually* various Washington women won't yourself

* Adverbs in *ly* were not treated separately verbs were counted in with their adjectives.
in the original Thorndike count. These ad-

